

*Amherst College*  
*Bulletin*

CATALOG ISSUE 1957-58

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# AMHERST COLLEGE BULLETIN



*Catalog Issue*  
**1957-1958**

VOLUME 47

OCTOBER, 1957

NUMBER 1

*This is Amherst*, an illustrated booklet describing life at Amherst College and *Costs and Financial Aid at Amherst*, are available on request from the Dean of Admission.

## AMHERST COLLEGE BULLETIN

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OCTOBER, 1957

NUMBER 1

## Contents

CALENDAR . . . . .	4
COLLEGE CALENDAR . . . . .	5
THE CORPORATION . . . . .	6
AMHERST COLLEGE . . . . .	8
THE FOLGER SHAKESPEARE LIBRARY . . . . .	15
THE MERRILL CENTER FOR ECONOMICS . . . . .	16
I. GENERAL INFORMATION . . . . .	17
Admission . . . . .	19
Regulations . . . . .	23
Tuition and Fees . . . . .	27
Scholarships and Beneficiary Aid . . . . .	29
Degree Requirements . . . . .	32
II. ADMINISTRATION . . . . .	37
Officers of Administration . . . . .	39
Faculty . . . . .	40
III. COURSES OF INSTRUCTION . . . . .	49
Course Descriptions by Departments . . . . .	51
IV. LECTURESHIPS, HONORS, FELLOWSHIPS, PRIZES AND AWARDS . . . . .	129
Lectureships . . . . .	131
Honors . . . . .	132
Fellowships . . . . .	135
Prizes and Awards . . . . .	140
Degrees Conferred, 1957 . . . . .	151
V. ENROLLMENT . . . . .	159
VI. THE ALUMNI ASSOCIATIONS . . . . .	191
VII. APPENDIX . . . . .	197
INDEX . . . . .	205

1957

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# College Calendar

## 1957

Sept. 13	<i>Friday</i>	Beginning of Freshman Orientation
Sept. 18	<i>Wednesday</i> , 2:00 p.m.	Opening Chapel Service
Sept. 19	<i>Thursday</i> , 8:00 a.m.	Beginning of Classes
Oct. 26	<i>Saturday</i> (a holiday)	Wesleyan Football Game
Nov. 16	<i>Saturday</i> (a holiday)	Williams Football Game at Williams-town
Nov. 27	<i>Wednesday</i> , 12:50 p.m.	Beginning of Thanksgiving Recess
Dec. 2	<i>Monday</i> , 8:00 a.m.	End of Thanksgiving Recess
Dec. 19	<i>Thursday</i> , 4:00 p.m.	Beginning of Christmas Recess

## 1958

Jan. 3	<i>Friday</i> , 8:00 a.m.	End of Christmas Recess
Jan. 17	<i>Friday</i> } through <i>Thursday</i>	First Semester Examination Period
Jan. 23	<i>Thursday</i>	
Jan. 27	<i>Monday</i> , 8:00 a.m.	Beginning of Second Semester
Mar. 22	<i>Saturday</i> , 12:00 noon	Beginning of Spring Recess
April 7	<i>Monday</i> , 8:00 a.m.	End of Spring Recess
May 10	<i>Saturday</i> (a holiday)	Dance Holiday
May 26	<i>Monday</i> } through <i>Saturday</i>	Second Semester Examination Period
May 31	<i>Sunday</i>	Commencement
June 8	<i>Sunday</i>	Beginning of Freshman Orientation
Sept. 19	<i>Friday</i>	Opening Chapel Service
Sept. 24	<i>Wednesday</i> , 2:00 p.m.	Beginning of Classes
Sept. 25	<i>Thursday</i> , 8:00 a.m.	Wesleyan Football Game at Middle-town
Oct. 25	<i>Saturday</i> (a holiday)	Williams Football Game
Nov. 15	<i>Saturday</i> (a holiday)	Beginning of Thanksgiving Recess
Nov. 26	<i>Wednesday</i> , 12:50 p.m.	End of Thanksgiving Recess
Dec. 1	<i>Monday</i> , 8:00 a.m.	Beginning of Christmas Recess
Dec. 20	<i>Saturday</i> , 11:50 a.m.	

## 1959

Jan. 5	<i>Monday</i> , 8:00 a.m.	End of Christmas Recess
Jan. 23	<i>Friday</i> } through <i>Thursday</i>	First Semester Examination Period
Jan. 29	<i>Thursday</i>	
Feb. 2	<i>Monday</i> , 8:00 a.m.	Beginning of Second Semester
Mar. 28	<i>Saturday</i> , 11:50 a.m.	Beginning of Spring Recess
April 13	<i>Monday</i> , 8:00 a.m.	End of Spring Recess
May 9	<i>Saturday</i> (a holiday)	Dance Holiday
June 1	<i>Monday</i> } through <i>Saturday</i>	Second Semester Examination Period
June 6	<i>Sunday</i>	Commencement
June 14	<i>Sunday</i>	

*Calendar for academic year 1958-59 is subject to change*

# The Corporation

JOHN JAY MCCLOY, LL.B., LL.D.

*Chairman of the Corporation*

New York, N. Y.

CHARLES WOOLSEY COLE, PH.D., SC.D., L.H.D., LITT.D., LL.D.

*President of the College*

Amherst, Mass.

PAUL DYESS WEATHERS, M.B.A.

*Treasurer of the Corporation*

Amherst, Mass.

EUSTACE SELIGMAN, LL.B.

New York, N. Y.

FRANK LEAROYD BOYDEN, SC.D., PD.D., LITT.D., L.H.D., LL.D.

Deerfield, Mass.

HENRY SELDEN KINGMAN, B.A.

Minneapolis, Minn.

FRANCIS TAYLOR PEARSONS PLIMPTON, LL.B.

New York, N. Y.

CHARLES BELCHER RUGG, M.A., LL.B.

Boston, Mass.

RICHARDSON PRATT, B.A.

New York, N. Y.

ARTHUR FAIRBANKS ELLS, LL.D.

Litchfield, Conn.

JULIUS SEELYE BIXLER, PH.D., D.D., L.H.D., LL.D., D.C.L.

Waterville, Maine

WINTHROP HIRAM SMITH, B.A.

New York, N. Y.

\* LAFAYETTE SUMNER PRUYNE, B.A.

Newton, Mass.

\* OLIVER BOUTWELL MERRILL, LL.B.

New York, N. Y.

\* PRESTON ROGERS BASSETT, M.A., SC.D.

Ridgefield, Conn.

\* PHILIP HALL COOMBS, B.A.

Old Greenwich, Conn.

\* HENRY HARRISON FULLER

Burlingame, Calif.

\* STANLEY FERDINAND TEELE, L.H.D.

Boston, Mass.

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JAMES ALFRED GUEST, LL.B.

Amherst, Mass.

*Secretary of the Corporation*

## TRUSTEES EMERITI †

ROBERT WASHBURN MAYNARD, LL.B.

Boston, Mass.

ARTHUR LEE KINSOLVING, D.D.

New York, N. Y.

LEWIS WILLIAMS DOUGLAS, LL.D.

Phoenix, Ariz.

\* The terms of the Alumni Trustees expire as follows: LAFAYETTE SUMNER PRUYNE, 1958; OLIVER BOUTWELL MERRILL, 1959; PRESTON ROGERS BASSETT, 1960; PHILIP HALL COOMBS, 1961; HENRY HARRISON FULLER, 1962; STANLEY FERDINAND TEELE, 1963.

† A life trustee who resigns shall be eligible for election by the Board of Trustees as trustee emeritus if in the opinion of the Board of Trustees he shall have rendered outstanding service to the College during his trusteeship. A trustee emeritus shall have all the privileges of a member of the Board except that of voting at the meetings of the Board. The trustees emeriti shall retain the processional order which they held at the time of their retirement. (Adopted by the Board of Trustees of Amherst College, January 17, 1943.)

*Committees of the Corporation\**

The Chairman of the Corporation and the President of the College are members, *ex officiis*, of all committees.

*Executive Committee:* Messrs. BIXLER, DEBEVOISE, ELLS, KINGMAN, McCLOY (Chairman), PRATT, RUGG, SELIGMAN, SMITH.

*Finance Committee:* Messrs. KINGMAN (Chairman), PRATT, PRUYNE, RUGG, SMITH, WEATHERS.

*Budget Committee:* Messrs. KINGMAN, PLIMPTON, PRATT (Chairman), PRUYNE, SMITH, WEATHERS.

*Instruction Committee:* MESSRS. BASSETT, BIXLER (Chairman), BOYDEN, COOMBS, DEBEVOISE, MERRILL, PLIMPTON, SELIGMAN.

*Buildings and Grounds Committee:* Messrs. BASSETT, BIXLER, BOYDEN, DEBEVOISE, KINGMAN, MAYNARD †, MERRILL, PRATT (Chairman), PRUYNE, SMITH, WEATHERS.

*Honorary Degrees Committee:* Messrs. BIXLER, BOYDEN, COOMBS, ELLS, KINSOLVING †, MERRILL, PLIMPTON, PRUYNE, RUGG (Chairman), WEATHERS.

*Folger Shakespeare Library Committee:* Messrs. BIXLER, FULLER, KINSOLVING †, PLIMPTON, SELIGMAN (Chairman), WEATHERS.

*Joseph B. Eastman Foundation Committee:* Messrs. DEBEVOISE, FULLER, KINGMAN, RUGG (Chairman), SELIGMAN.

*Committee on Fraternities:* Messrs. BASSETT, DEBEVOISE (Chairman), ELLS, FULLER, MERRILL, PRUYNE, RUGG.

*Merrill Center for Economics Committee:* Messrs. COOMBS, DOUGLAS †, FULLER, PLIMPTON, PRATT, SELIGMAN, SMITH (Chairman), WEATHERS.

\* The committee listings are for 1956-57. The Corporation organizes itself at its fall meeting for each academic year.

† Trustee Emeritus.

## Amherst College

The “Collegiate Charitable Institution” at Amherst, which eventually became Amherst College, was opened in September 1821 as a seminary where students with little money might prepare for the ministry. It secured its charter from the Commonwealth of Massachusetts in 1825. Although the nominal founders were men like Noah Webster, Samuel F. Dickinson (grandfather of the poet Emily), and other trustees of the local academy, the College was made possible through the help of more than thirteen hundred citizens of the township and countryside. These people not only gave money for students’ tuition (in donations ranging from \$3000 to 3 cents); they helped dig the foundations and lay the bricks for the College’s first buildings. It is therefore fitting that Amherst is named not for an individual but for the town.

For nearly a century and a half the College has continued to instruct its students in “all branches of literature and science” as promised in its original constitution. It is non-sectarian and its courses are confined to the liberal arts and sciences and lead only to the bachelor of arts degree; no vocational studies are offered. The majority of its classes are small (the present proportion of teachers to students is one to nine), and offer relatively individualized instruction. But the College has extended its original design — to provide education for the sons of the farmers of the Connecticut Valley — and is now a national rather than a local institution. About thirty percent of its undergraduates come from New England; forty percent from the Middle Atlantic States; twenty percent from the Middle West; and the rest from a scattering of other states and nations.

The College’s corporate name is “The Trustees of Amherst College.” Its general government is vested in this Board, eighteen in number, of whom the President and the Treasurer of the College are members *ex officiis*, ten are elected by Trustee vote without limit of term, and six are elected by graduates of the College for terms of six years each. The President is charged with the general administration of the College. Subject to the Trustees’ reserved authority, educational policy and rules of conduct are determined by the Faculty. The following is a list of the Presidents of the College, with their terms of service:

REV. ZEPHANIAH SWIFT MOORE, D.D. . . . .	1821-1823
REV. HEMAN HUMPHREY, D.D. . . . .	1823-1845
REV. EDWARD HITCHCOCK, D.D., LL.D. . . . .	1845-1854
REV. WILLIAM AUGUSTUS STEARNS, D.D., LL.D. . . . .	1854-1876
REV. JULIUS HAWLEY SEELYE, D.D., LL.D. . . . .	1876-1890
MERRILL EDWARDS GATES, PH.D., LL.D., L.H.D. . . . .	1890-1899
REV. GEORGE HARRIS, D.D., LL.D. . . . .	1899-1912

ALEXANDER MEIKLEJOHN, PH.D., LL.D.....	1912-1924
GEORGE DANIEL OLDS, LL.D.....	1924-1927
ARTHUR STANLEY PEASE, PH.D., LL.D.....	1927-1932
STANLEY KING, LL.D.....	1932-1946
CHARLES WOOLSEY COLE, PH.D., L.H.D., SC.D., LITT.D., LL.D.	1946-

### *The Curriculum*

The curriculum of the College, key features of which were first introduced in 1947, was designed to put more emphasis on participation by the student, and to provide a body of common knowledge that would serve as a basis for later specialization in any field. Under its terms all students during the freshman-sophomore years take three two-year sequences, one in each of the three divisions — the humanities, social studies, and the natural sciences. In the first year the student takes Science 1-2, mathematics and physics, a course in which the two subjects are integrated, so far as is possible, by applying the mathematics, as it is learned, to physical problems. As a sophomore the student takes either a semester of chemistry and one of biology which builds upon the foundation of this first year, or a year course combining materials from astronomy, geology, biology, and anthropology focused upon one major problem, the evolution of earth and man. In social studies the student begins by taking a course in European Civilization followed in the second year by one in Problems of American Civilization. The humanities requirement for the freshman year is two independent half-courses carried in parallel throughout the year, one in English Composition, the other in "great books," a selection from classic works read in chronological order. The humanities requirement for sophomores is a year's work from a designated group of courses in English or other literatures, music, fine arts, dramatic arts, classical civilization, religion, and philosophy. The student must have, in addition, a satisfactory grounding either in an ancient or an important modern language. Exceptions to any of these requirements are rare and are made only for a sufficient reason. Thus, during the first two years the student is prepared to major, as an upperclassman, in *any* subject within the curriculum, though normally he will do so in but one.

Upon completing this program, all students then take a major, either in one subject or a "group major" which combines work in two or more departments — for example, the major in American Studies. The Major Fields are the following: *The Humanities* — Classics, Dramatic Arts, English, Fine Arts, French, German, Greek, Humanities, Italian, Latin, Music, Philosophy, Public Speaking, Religion, Spanish; *Social Studies* — American Studies, Economics, History, Legal Studies, Political Science; *Mathematics and Natural Sciences* — Astronomy, Biology, Chemistry, Geology, Mathematics, Physics, and Psychology. Nearly all students ranking

in the upper half of the class take a major with honors. Some of the larger departments have special seminars for this group in the junior year, and all departments have a senior honors course. Every department requires a thesis (or the equivalent) involving independent research under the supervision of a teacher in that subject. The honors student is also usually required to take written comprehensive examinations in the field of his major and an oral examination on his thesis by members of the department.

The curriculum is based on the view that an important goal of liberal education is to develop the student's power of using abstractions in a way that will enable him to deal with a great diversity of experience. A Policy Committee of the College has described the relation between the curriculum and the contemporary world as follows: "It has become more important than ever before that individuals be able to comprehend intelligently as much of the enormously complex and rapidly changing society in which we live as it is possible for them to do. . . . Between the education of infancy and childhood, which should be primarily a matter of acquiring essential skills by direct participation, and the subsequent training that one receives by the direct method of apprenticeship in technical and professional schools, there lies a period of late adolescence and early maturity when at least the ablest and most gifted members of their generation should be given the opportunity to develop the kind and quality of interests that will enable them to understand how their specific functions as businessmen, teachers, artists, lawyers, physicians, engineers, etc., fit into the whole complex changing pattern of the Great Society."

For detailed statements concerning degree requirements and major plans, see below, pp. 32-36.

#### *Plant and Facilities*

Amherst is an independent, gift-supported college. Approximately 1050 students are now enrolled; the faculty has nearly one hundred and twenty members; college property consists of four hundred and five acres; buildings — exclusive of college-owned faculty residences and independently owned fraternities — number forty-two; endowment exceeds \$24,000,000. The College buildings include the chapel, auditorium, library, dormitories, classrooms, laboratories, natural history museum, art center, observatory, central dining hall, physical education units, theater, infirmary, music building, religion building, and maintenance group. The Board of Trustees also administers the Folger Shakespeare Memorial Library in Washington, D. C. and the Merrill Center for Economics at Southampton, Long Island.

Though only a few examples can be cited here, facilities and equipment are at a high level of adequacy throughout the College. The Kirby Theater

is acknowledged to be one of the finest college theaters in the country. Besides the main Amherst College Library, with 300,000 volumes, there are small libraries in each dormitory unit, in most of the fraternity houses, and in the Infirmary. The Infirmary, of recent construction, is directed by the College Physician, who has a consulting medical staff comprising surgeons, internists, and various specialists to call on in cases of serious illness. The athletic plant consists of a large gymnasium with doctors' offices and treatment room, special sports rooms for wrestling, boxing, and fencing, and wings that house an indoor athletic field, a swimming pool, and squash courts. For outdoor activities there are four football, four soccer, and four baseball fields, a track, twenty-five tennis courts, an artificial ice rink for skating and hockey, practice ski slopes on campus, and a developed ski slope seven miles from the College with tows, trials, and jump.

The science laboratories accommodate large numbers and provide generous space for advanced students working on research projects. In the Chemistry Building there are five laboratories for the more elementary courses and two set aside for honors students. The Department of Biology has six laboratories devoted to undergraduate courses, including those for anthropology, genetics, and botany, and a new greenhouse for the study of plant growth. An underground vault containing radioactive cobalt supplied by the Atomic Energy Commission enables qualified biologists to conduct experiments in radiation research. Geology has four laboratories, with certain ones, such as the paleontological laboratory, intended primarily for advanced work. Physics has six laboratories, among them special facilities for optics, electronics, and low-temperature research. The College also has laboratories in Experimental Psychology. The well-equipped astronomical observatory has two main telescopes: an 18-inch visual refractor and an 8-inch refractor with a camera. The instruments in the observatory, like the equipment in the laboratories, can be used by undergraduates engaged in special projects.

There are a number of outstanding collections — ranging in subject from historical geology to American art — in the museums and galleries of the College. The Department of Fine Arts has about five hundred color reproductions and original prints that any student may borrow for use in his room. The Department of Music has the Carnegie Record Collection, a circulating library of some 5,000 records which students may take out or play in the listening room of the music building. The College provides audio equipment for the oral study of poetry in English and other languages in general. And a variety of other special facilities are available to the student in virtually every academic and extracurricular field.

### *Student Life*

Amherst freshmen live on campus in any one of three dormitories, two

of which were built in 1946. Upperclassmen live in four other dormitories and in the fraternity houses. All students take their meals in Valentine Hall, the commons or central eating place of the College. A high percentage of Amherst upperclassmen join one of the thirteen fraternities. Since 1951 all eligible students who have wished to participate have been pledged to fraternities. A student becomes eligible for membership in a fraternity in his sophomore year. Each group has its own house, with well furnished common rooms and comfortable living quarters where the majority of the members live during their last two or three years in college. While these social organizations are in the main run by their undergraduate members, their activities are also guided by a House Management Committee made up of a student and an alumnus from each group. Each house also has its own faculty adviser.

There are organized student activities of every sort: student government, honorary societies, newspapers and magazines, radio, sports, dramatics, musical organizations, and clubs. Among the most notable are the following:

*Sports* — Every freshman and sophomore takes part in a program aimed to improve his fitness and to give him an opportunity to play in a team sport and learn a recreational game. And all students are taught swimming and a game such as tennis or golf that they may continue to enjoy after leaving college. A very large number of students play on an inter-collegiate or intramural team. Nearly fifty percent participate in intercollegiate contests at some time during their course, and in the junior and senior years, after the required program is completed, more than ninety percent take part in some form of varsity or intramural sports.

*Publications* — The College has a newspaper, *The Amherst Student*, founded in 1868 and published by an undergraduate board of editors and managers, a senior yearbook, the *Olio*, which first appeared in 1855 and gives a record of college life and individual student careers, and a literary magazine.

*Radio* — Radio Station WAMF has three studios, a music library of 5,500 records, and a staff of a hundred students. Varied programs are broadcast on an FM signal throughout the college year.

*Dramatics* — Dramatics is open to all students except first-term freshmen. Students build, light, and paint sets, and act in productions supervised by the Department of Dramatics. All types of plays are given, and several original plays written by undergraduates are presented each year for course credit in dramatic arts.

*Music* — Each year the Glee Club gives concerts in Amherst and in other towns and cities. It also performs major choral works in joint concert with women's organizations from nearby colleges, in recent years with symphony orchestras. The Smith-Amherst orchestra, which rehearses

at Smith College, is open to all qualified undergraduates. There is a College Band, which gives concerts in Amherst and other communities, and the Chapel Choir sings at daily chapel and for all academic convocations.

*Concerts and Lectures* — In recent years the College has presented as lecturers and visitors such people as: Julian Huxley, Robert Frost, Thomas Mann, Paul Hoffman, Madame Pandit, Joyce Cary, Elizabeth Bowen, Aaron Copland, William O. Douglas, and Chester Bowles. The Music Department presents each year three or four concerts of professionals, and informal concerts are given by faculty members or students of Amherst and Smith. The College brings to Kirby Theater professional groups of players or dancers for occasional performances. There are various film series, some sponsored by the modern language departments. Opportunities to hear lectures and music, to see plays and foreign films are increased many times through the generosity of the other colleges in the community. All three of the nearby colleges offer lectures, concerts, art exhibitions, and theatrical performances that are open to the public. Worthy of special mention are the concert series of Smith, Mount Holyoke, and the University of Massachusetts, at which some of the leading orchestras and soloists can be heard every year.

*Religious Associations* — The Christian Association is organized and managed by undergraduates. It seeks to give form and focus to the religious interests of the students, to develop a program of religious discussion and work in the College, and to sponsor charities and social work. It also maintains a "Little Chapel" that is always open for prayer and meditation and where students conduct weekly services throughout the year. Amherst undergraduates are welcomed at the Sunday services of all the local churches and can participate in such activities as choirs and young people's groups. The undergraduates also organize and participate in special services at the College, such as a candlelight musical service at the Christmas season.

The College Staff includes a Chaplain and two Assistant Chaplains. All are connected with local churches, but devote approximately half their time to the interests of the college students. They assist in the conduct of the chapel services, act as chaplains in offering religious counsel and guidance to the students, lead discussion groups, and assist the Christian Association in developing religious work of various types among the undergraduate body.

The College also has religious advisors to Catholic and Jewish students.

#### *After Graduation*

The College offers an occupational guidance program that enables students to discover their special interests, aptitudes, talents, and powers,

to become familiar with the best techniques of obtaining a desirable job, and to recognize the principal adjustments needed in changing from life on the campus to one in the business and professional world. In the first semester of freshman year each student is given a booklet outlining a four-year program of investigation for those uncertain about their occupational future. As a further aid to graduating students seeking work, the alumni organization assists seniors by arranging interviews with visiting representatives of business and industrial firms and by sponsoring a Career Conference at the College during the winter.

A student counsellor who is a member of the faculty is also available for career guidance. Other members of the faculty also assist in the guidance program.

About half of every senior class goes on to some sort of graduate school, and the majority of living graduates are quite evenly divided between business and the various professions. The business group includes men in firms of every description. In the professions there are large numbers of lawyers, doctors, educators, and clergymen, with sizeable quotas of public servants, engineers, editors and writers, and scientists. There are also farmers, architects, and artists, and men in radio, television, and aviation. Graduates of considerable reputation are found among clergymen, college presidents and scholars, business executives and statesmen. In government there have been a number of Amherst men in important positions — a President of the United States, a Chief Justice of the Supreme Court, three Speakers of the House of Representatives, Ambassadors to foreign states, a President of the International Bank, a United States High Commissioner for Germany. Studies of College graduates who have become members of the National Academy of Arts and Sciences and of those listed in *Who's Who* show a consistently high percentage of Amherst alumni represented.

## The Folger Shakespeare Library

By the will of the late Henry Clay Folger of the Class of 1879, there was bequeathed to the Trustees of Amherst College the Folger Shakespeare Library in Washington, D. C., together with an endowment for maintenance, later increased by the generosity of Mrs. Folger.

The building, located on East Capitol Street directly east of the Library of Congress, was erected at a cost of more than \$2,000,000. Its endowment now stands at about \$9,500,000, and its collections are valued at over \$2,740,000. On the Library's main floor are: an Exhibition Gallery with displays of rare books, manuscripts, paintings, and miscellaneous curios and works of art; an Auditorium in the form of a reproduction of the interior of an Elizabethan playhouse; a large Reading Room, representing a Tudor Banqueting Hall and hung with early tapestries; four Vaults, containing the rarest portions of the collections; a Reception Room for social purposes; and Administration Offices. On the second floor are the working rooms of the Library's Accessions Department, the Catalogue Department, and offices for members of the staff. A Photographic Department is in the basement. Reading machines for microfilm are found in the stacks.

The Library concentrated its original collection largely upon the life, writings, and influence of William Shakespeare, but during the past two decades it has increased its rare books and manuscripts in related fields until today it has one of the largest collections in the world for the study of British history of the sixteenth and seventeenth centuries. Only the British Museum has a larger collection of early English books.

Under the plan of the Trustees of the College, in addition to maintaining its traditional interest in Shakespeare and English Renaissance literature, the Library is exploiting other fields as well. Efforts are made to expand it as an efficient laboratory of research and investigation. Aid and encouragement are given literary and historical scholars capable of making the most significant use of the Library's great collection of source materials. The Library has also developed reference collections which scholars require for the efficient utilization of rare books and manuscripts.

Research facilities of the Library are not open to casual visitors, but permission to use them may be obtained by qualified scholars upon application to the Director. Interested individuals and groups are cordially invited to visit the FOLGER's public rooms.

## FOLGER LIBRARY OFFICERS

LOUIS BOOKER WRIGHT, PH.D., LITT.D., L.H.D., LL.D.  
JAMES GILMER McMANAWAY, PH.D.

*Director*

GILES EDWIN DAWSON, PH.D.

*Consultant in Literature and Bibliography*

PAUL SHANER DUNKIN, B.S.L.S., PH.D.

*Curator of Books and Manuscripts*

EDWIN ELLIOTT WILLOUGHBY PH.D., LITT.D.

*Chief Cataloguer and Head of Technical Services*

ELEANOR PITCHER

*Chief Bibliographer*

VIRGINIA FREUND

*Assistant to the Director*

*Executive Secretary*

## The Merrill Center for Economics

The Merrill Center for Economics is located at The Orchard, Southampton, New York. The Orchard was presented to Amherst College in 1951 by Charles E. Merrill, an alumnus of the Class of 1908. Each summer, the Center brings together experts in the field of economics to discuss some important economic problem. They live together at The Orchard and meet regularly around a conference table and, in addition, have less formal discussions in smaller groups. Attendance is by invitation only, and the conferees are drawn from education, business, and government, both from this country and abroad. Additional speakers are invited to discuss particular problems with the group.

The Orchard consists of a beautiful, spacious house and several additional buildings on its sixteen acres. The main house is particularly noted for its paneled music-room and main staircase. Together with the Annex, it can comfortably house about thirty persons. The houses are surrounded by extensive lawns and formal gardens. The library contains current economic periodicals and is supplemented each summer as necessary with books from the Amherst College Library.

The Merrill Center is administered by the Trustees of Amherst College. Dr. Willard L. Thorp, an alumnus of Amherst in the Class of 1920 and former Assistant Secretary of State for Economic Affairs, is director of the Center. Dr. Thorp is also Professor of Economics on the Amherst faculty.





*The War Memorial to Amherst alumni lost in World Wars I and II*

*The town common, faced by fraternities, runs into the campus*





Converse Memorial Library







*James and Stearns Halls, Amherst's  
newest dormitories, house freshmen*

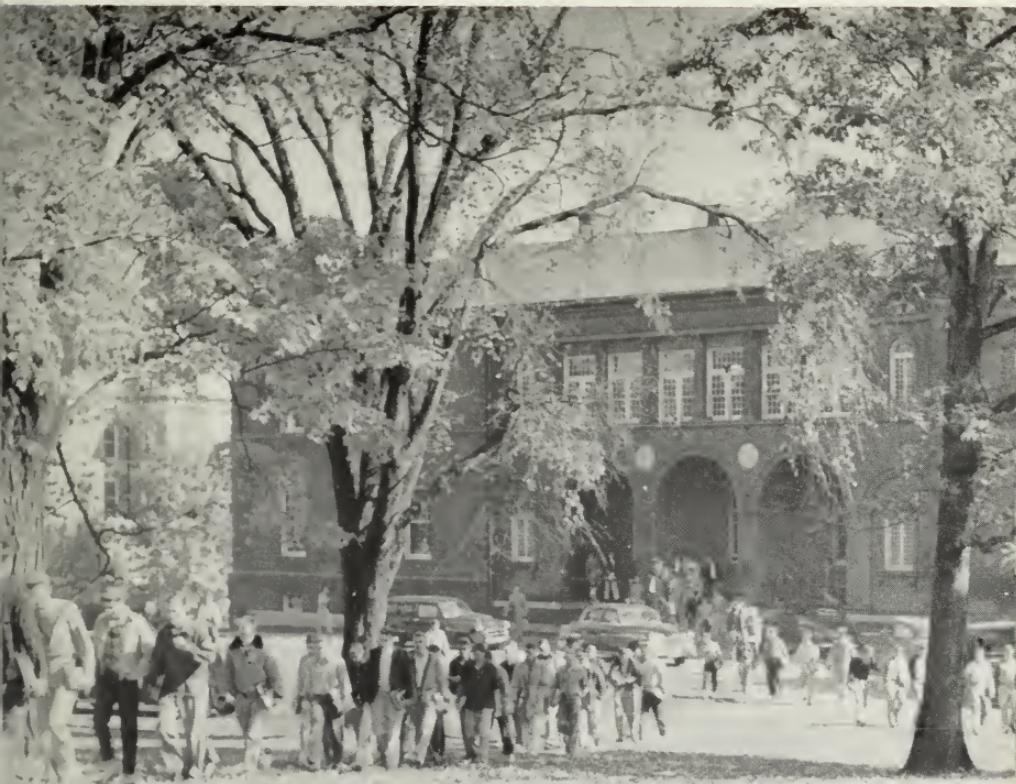
*Academic procession of the faculty  
begins the year in Johnson Chapel*





*Pratt Dormitory is one of three residence halls for upperclassmen*

*At a change of classes a group of freshmen leave Physics Laboratory*









*The Brass Choir playing Christmas carols on Converse Library steps*

*A joint concert by the Amherst and Smith Glee Clubs at Smith College*





*The annual freshman-faculty picnic at nearby Outing Club cabin*

*Prom, in the Alumni Gymnasium, is an all-College affair each spring*





*Barrett Hall, the nation's 1st gymnasium, is now a language building*

*Pratt Museum contains extensive natural history and geology collections*





*Production of Molière's "The Miser"  
by the undergraduate dramatic group*

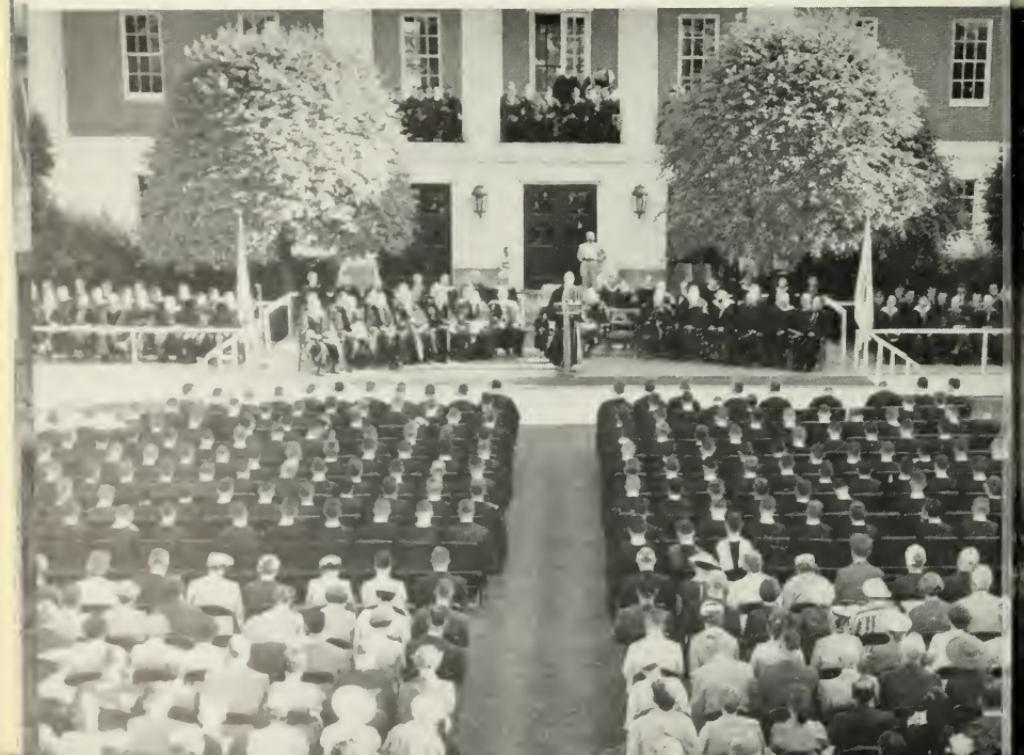
*Kirby Memorial Theater provides  
complete facilities for dramatic arts*





*The Mead Art Building—new center  
for the College's fine arts program*

*Commencement is held outside each  
June in the Gymnasium quadrangle*





*The Merrill Center for Economics  
at Southampton, L. I., N. Y., and—*

*—the Folger Library in Washington  
are operated by Amherst's trustees*





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# I

*Admission, Regulations, Fees,  
Scholarships and Degree Requirements*

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# Admission

## GENERAL STATEMENT

Admission to Amherst College is competitive. The College attempts to select for admission those applicants who seem best qualified to benefit from the opportunities offered by an Amherst education. The Committee on Admission, in judging the qualifications of applicants, pays particular attention to (1) academic performance in high school or independent school, (2) results of the College Entrance Examination Board Scholastic Aptitude and Achievement Tests, (3) the recommendation of the high school principal or headmaster, (4) evidence of a willingness to work, (5) the character, health, and extracurricular interests and achievements of the applicant. All freshmen admitted are candidates for the Bachelor of Arts degree.

## HOW AND WHEN TO APPLY FOR ADMISSION

*Correspondence regarding admission to the freshman class should be addressed to the Dean of Admission, Amherst College, Amherst, Massachusetts.* Each applicant for admission to the freshman class must file a formal application with the Dean of Admission, preferably before March 1 of the year in which he expects to be admitted. Under certain circumstances, later applications will be considered. The formal application should be accompanied by a check or money order for \$10.00 made payable to *The Trustees of Amherst College*. This application fee will not be refunded if the student withdraws his application or if his application is not acted upon favorably.

A preliminary application may be filed at any time prior to the applicant's senior year. Once this preliminary application has been filed and acknowledged, the College assumes the responsibility of forwarding all formal application forms at the proper time. No priority is given to early applications.

Entering students are admitted only at the beginning of the regular college year in September.

Scholarship applicants should refer to pages 29-31.

## INTERVIEW HOURS—ADMISSION OFFICE

The Admission Office is open on weekdays from 8:30 a.m. until 12:30 p.m. and 2:00 p.m. until 4:00 p.m. and on Saturdays from 8:30 a.m. until

12:30 p.m., but through the summer months and until Labor Day, the Admission Office (and all administrative offices) will be closed on Saturdays. Where possible, applicants for admission are advised to visit the College and discuss their educational plans with an Admission Officer. Interviews are not required, however. It is advisable to write for an appointment with an Admission Officer if you plan to visit the College.

#### RECOMMENDED PREPARATION

The following minimum program of studies is recommended for students planning to enter Amherst College:

English	4 years
Mathematics	3 years
Foreign Language	2 years or, if possible, 3 years of one
History	1 year
Laboratory Science	1 year

It should be noted that the College stresses sound preparation in certain subjects which are important implements for the many branches of college work. English, mathematics, and foreign language (ancient or modern or both) are the subjects in which entering students should show proficiency.

Students with particular interests may wish to modify the suggested program by taking more work in certain subjects and less in others. Such modification is wholly acceptable, provided there is evidence of adequate preparation in the basic fields of English, mathematics, and foreign language. Any deviation should be discussed in advance with the Dean of Admission.

#### ADVANCED PLACEMENT

In certain subjects candidates who have completed advanced work in secondary schools may apply for advanced placement at Amherst. Each case will be considered individually on its own merits. Candidates interested in Advanced Placement are urged to take the Advanced Placement Tests given by the College Entrance Examination Board. Questions about Advanced Placement should be directed to the *Dean of Admission*.

#### SCHOLASTIC APTITUDE AND ACHIEVEMENT TESTS

All applicants for admission are required to take the Scholastic Aptitude and three achievement tests. Applicants are urged to take the January

aptitude tests, but may take the March tests. Achievement tests should be taken in March of senior year. Applicants should register for these examinations as soon as possible with the Secretary of the College Board, Box 592, Princeton, New Jersey. Students living in Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington, Wyoming, Alaska, Hawaii or Australia should register with the Secretary of the College Board, Box 9896, Los Feliz Station, Los Angeles 27, California. Veterans are exempted from these tests if their location and service make examinations impossible.

Achievement tests in March of Senior year should include English, and the tests in language and mathematics if these subjects are being studied in *Senior year*. *Applicants who wish to deviate from this program should consult the Dean of Admission.*

Students who graduate at mid-year time should take all tests in December or January of Senior year.

#### REGENTS EXAMINATIONS

Applicants from the New York State public schools are expected to submit scores made on the Regents Examination in addition to the Scholastic Aptitude and Achievement Tests given by the College Entrance Examination Board.

#### ADMISSION FROM OTHER COLLEGES OR INSTITUTIONS OF COLLEGIATE RANK

*Correspondence concerning admission of transfers should be addressed to the Dean of Admission.*

To be eligible for transfer the candidate must meet the following requirements:

1. His credits must satisfy the full entrance requirements of Amherst College.
2. He must have completed creditably the work of at least one year in an institution of collegiate rank, and his general average at the institution he is leaving must correspond to or be better than the Amherst diploma average of seventy per cent.

3. He must present a statement of honorable dismissal.

Candidates for admission by transfer are admitted in September only. Candidates should note that, in general, only students with a B average or better will be accepted for admission as transfers, and should further note that not more than ten transfers will be admitted to Amherst in September of 1958.

## SPECIAL BOOKLET

A descriptive booklet entitled *This Is Amherst* may be had upon application to the *Dean of Admission*.

COOPERATIVE ENGINEERING-SCIENCE PROGRAM WITH  
MASSACHUSETTS INSTITUTE OF TECHNOLOGY

In order to facilitate the combination of a liberal arts course with education in science and engineering, Amherst College has entered into a cooperative arrangement with the Massachusetts Institute of Technology. Under this arrangement, and by properly planning his studies, a student of high standing may pursue a combined five years' program in which the first three years are spent at Amherst College and the last two at the Institute, leading to the degree of Bachelor of Arts from the College and to that of Bachelor of Science from the Institute upon completion of the combined course.

## FOUR COLLEGE CORPORATION

Amherst has an arrangement with Mount Holyoke College, Smith College and the University of Massachusetts by which any of their courses are open to our students if properly qualified and if, in the opinion of the Dean, this procedure seems reasonable. The courses concerned will ordinarily be advanced courses in the student's major subject, not available currently on this campus. Amherst will arrange for transportation as may be necessary. The Treasurers of the two colleges involved will make necessary financial adjustments, in most cases without cost to the student.

Students interested in such courses will find current catalogs of the other institutions at the Loan Desk of the Library. Application blanks may be obtained from the office of the Dean.

The Four College Cooperative Committee is composed of Professor Sidney R. Packard, Smith College, chairman; Professor Gail Kennedy, Amherst College; Professor Bruce R. Morris, University of Massachusetts and Professor Stuart M. Stoke, Mount Holyoke College.

# Regulations

## TERMS AND VACATIONS

The college year 1957-1958 includes two regular semesters of sixteen weeks each. In the fall semester there is a Thanksgiving recess of approximately five days, and a Christmas vacation of two weeks; and in the spring semester, a vacation of two weeks.

## ATTENDANCE AT COLLEGE EXERCISES

*The officer in general charge of matters concerning attendance at college exercises is the Dean of the College.*

Students are expected to attend classes regularly and promptly. Attendance at all laboratory periods is required. First-term freshmen and students on probation are allowed no unexcused absences from class or laboratory periods. Each student, unless he is on the Dean's List, must attend his last class before and his first class after the Thanksgiving, Christmas and Spring recesses. At the beginning of the semester each instructor will state his policy with regard to absences in his course, and thereafter he will report to the Dean's Office the name of any student who violates the regulations which the instructor has set up for his own course. In such cases the Dean's Office will take appropriate action which may include a reduction in his credit hours or he may be dropped from the course.

Absences for certain recognized reasons are normally excused. Considerable discretion should be used with regard to unexcused absences, since such absences, even if not excessive, tend to reduce the effectiveness (or value) of the course. The responsibility for any work missed because of an absence rests entirely upon the student.

All official college vacations and holidays are announced on the College Calendar appearing on page 4 of this catalog.

Morning chapel services are conducted Monday, Tuesday, Thursday and Friday mornings. All students are required to attend one-half of the chapel services each week.

## STUDENT DISCIPLINE

*The officer in general charge of student discipline and conduct is the Associate Dean.*

Conduct befitting a gentleman is expected at all times of students at Amherst College. It is assumed that undergraduates will understand what constitutes gentlemanly conduct without specific regulations forbidding particular actions.

The College reserves the right to exclude at any time students whose conduct or academic standing it regards as undesirable, and without as-

signing any further reason therefor; in such cases fees will not be refunded or remitted, in whole or in part, and neither the College nor any of its officers shall be under any liability whatsoever for such exclusion.

### RECORDS AND REPORTS

*The officer in charge of records and reports is the Registrar of the College.*

Reports of standing are sent to parents or guardians at the end of each term. Rank in each subject is reported numerically as follows: A, 90-100%; B, 80-89%; C, 70-79%; D, 60-69%; E, 50-59%; F, below 50%. The passing grade in each individual course is 60%, and an overall average of at least 70% is required for a degree.

Students' records are confidential and information is released only at the request of the student or of appropriate institutions and officials. Partial transcripts are not issued. Each transcript includes a student's complete record at Amherst College to date.

The first three transcripts are furnished free of charge. For additional transcripts there is a charge of \$1.00 each, due at the time the transcript is issued at the Office of the Registrar. Checks should be made payable to Amherst College. No records are issued to or for students with unpaid accounts at the Comptroller's Office.

### ROOMS AND BOARD

All students, unless specifically excused by the Dean, are required to live either in the dormitories of the College or in fraternity houses. Dormitory rooms are equipped with bed, mattress, pillow, chiffonier, desk, chairs, and bookcase or shelves. Occupants furnish their own blankets, linen, and towels, and may provide extra furnishings if they wish, such as rugs, curtains, lamps, etc.; they may not add beds, sofas, lounges, or other furniture of such nature. Room assignments are noted on the invoice from the Comptroller's Office.

All students are required to eat in Valentine Hall unless excused by the Dean. There are no rebates for absence from meals for any reason.

### HEALTH AND PHYSICAL DEVELOPMENT

*The officer having general supervision of student health and physical development is the College Physician.*

The College Physician and his associates hold consulting hours twice daily at the Student Health Office in the Gymnasium. They keep themselves acquainted with the health of the students and provide for their proper treatment if ill. Every student is given a physical examination soon after his arrival and is advised as to his health and physical efficiency. No student will be admitted to Amherst College who has not been successfully

vaccinated or who is unwilling to submit to such vaccination by the College Physician within three months after admission.

Dr. O. Donald Chrisman, a fully qualified orthopedic surgeon, has consulting hours twice weekly in the Student Health Office.

The College medical consultants include: Dr. Hugh Tatlock of Northampton and Dr. Lawrence N. Durgin of Northampton for internal medicine; Dr. Edward J. Manwell of Northampton and Dr. David B. Jennison for surgery; Dr. Russell F. Gervais of Northampton for eye, ear, nose, and throat; Dr. Malcolm W. Bick of Northampton for eye; Dr. Philip C. Viscidi of Northampton for urology; Dr. Leonard Anderson of Springfield for dermatology; Dr. Thomas J. Crowe and Dr. Myer Sharpe of Northampton for radiology; Dr. John L. Rogers of Amherst and Dr. G. Francis Osborn of Northampton for dentistry.

A Health Fee of \$20 per semester is charged to all students. This entitles the student to medical and nursing care at the College Infirmary, as well as hospitalization in Northampton or Springfield, and the services of consultants, when recommended by the College Physician, up to a maximum of \$500.00 for any one student in a college year. The College limits its responsibility to illnesses occurring while college is in session, including the expenses of medical treatment and hospitalization due to accidents on the athletic field or in connection with the ordinary and general procedures of the College. In the case of injuries from accidents of motor vehicles, trains, or airplanes either in traveling to or from Amherst or while resident in Amherst, the College's responsibility for medical and hospital expenses is limited to the services of the College Physician, the services of the Health Office, and care in the College Infirmary for a period not exceeding ten days. In such cases the College will not accept responsibility for medical or surgical bills of consultants, special nursing, or hospitalization in outside hospitals. The cost of prescription medication, glasses, and routine dentistry is not covered by the Health Fee.

Students or their parents are, of course, free to select consultants, surgeons, or hospitals of their own choice, but in such cases the fees of the physicians, surgeons, nurses, hospitalization, and incidental fees are not paid by the College.

In the cases of students who have served in the armed forces of the United States, the College's responsibility is limited to illnesses and accidents of a nature covered by its responsibilities to its regular civilian students. Expenses for illnesses arising in whole or in part from previous service in the armed forces are not covered. The decisions of the College Physician as to what expenses will be met by the College shall be final.

A student is entitled to no further health service after withdrawal or dismissal from college.

Parents are notified by mail of all infirmary admissions unless the ill-

ness is thought of sufficient severity to warrant direct communication by telephone. In emergencies requiring immediate surgery, when parents cannot be consulted in advance, the President will assume responsibility for the authorization of operation.

Students who are unable to attend classes because of illness are required to go to the infirmary unless living with their families in Amherst or vicinity. Sick excuses are given only for such time as is spent either in the infirmary or, if living with their families, under a physician's care.

The College Infirmary is of fireproof construction, and is designed in accordance with the best modern practice. It has a normal capacity of nineteen beds, and an emergency capacity of forty beds. It contains a lounge room and two solaria for convalescing students, an operating room for minor surgical cases, a laboratory, and an isolation ward for the treatment of infectious diseases.

#### OCCUPATIONAL GUIDANCE

In liberal arts colleges such as Amherst, where few studies are of direct occupational significance, it is natural that many undergraduates find their most perplexing problem that of making a proper choice of a life career. To help undergraduates solve this problem, the College offers an occupational guidance program. This program assists students to (1) discover their own special interests, aptitudes, talents, and powers; (2) discover the most promising outlets for these special and individual powers; (3) become familiar with the best techniques in obtaining a job, (4) recognize the principal adjustments needed in changing from a life on the campus to one in the business world, and (5) arrange for interviews with government agencies, business concerns, and other groups interested in employing Amherst graduates. An important part of the guidance program is the annual Career Conference which brings to Amherst lawyers, doctors, teachers, government employees, business men and others for a week end of discussion with interested undergraduates in many career areas.

The undergraduate who participates in this voluntary program will find himself better prepared to make a wise vocational choice and better equipped to face the business world.

## Tuition and Fees

*The officer having general supervision of the collection of Tuition and Fees is the Comptroller.*

A candidate's formal application for admission should be accompanied by a \$10.00 application fee in check or money order made payable to The Trustees of Amherst College. Upon notification of admission to the College a candidate is required to return with his acceptance a non-refundable advance payment of \$100 which will be credited in full on the first term bill.

Student accounts are payable at the Office of the Comptroller. Bills will be mailed to students or to their parents approximately two weeks before the due date, the Saturday prior to the opening day of each semester. Freshmen and other new entrants should make payments on or before arrival. Advance payment by mail upon receipt of bill will be a convenience to the student and to the college.

In hardship cases, special arrangements may be made with the Comptroller *in advance* for extending payments over a short period. Unless such arrangements have been made, payment in full is expected when due.

Identification cards must be picked up in person at the Comptroller's Office before course cards may be obtained.

### SUMMARY OF CHARGES

	<i>Each Semester</i>	<i>Total for Year</i>
Tuition	\$ 400.00	\$ 800.00
Room	112.50	225.00
Board	200.00	400.00
Health Fee	20.00	40.00
Intercollegiate Athletic Fee	16.00	32.00
Student Activities Fee	17.50	35.00
<hr/>		
Total	\$766.00	\$1,532.00

Each student, or former student reentering, is charged a guarantee deposit of \$25. After graduation or earlier termination of his course, this deposit is refunded, less any amounts then due on account of lost equipment, library fines, breakage, etc. This does not, however, relieve the student from the responsibility of paying such miscellaneous charges when incurred. Toward the end of each semester, such items not paid at their source will be referred to the Comptroller for collection, plus a penalty charge.

Each Senior is charged a degree fee of \$7 in his final semester (\$15 effective with the class of 1959.)

For delinquencies in Physical Education a charge of \$25 will be levied during each semester following sophomore year until the delinquency is removed.

Scholarship awards will be credited on the semester bills. Scholarship loans will be credited after signed notes are received. Awards on the second semester bill are tentative, subject to satisfactory records in the first semester.

In the case of any students who have unpaid balances due the College, earnings from any College employment may be applied to reduce their indebtedness.

A fee for the support of various activities of the student body is determined by the Student Council. This fee is collected by the College and turned over to the Advisor of Student Organizations for expenditure under his supervision. For the year 1957-58 the fee has been set at \$28.00. For this fee each student receives a copy of the yearbook, the *Olio*; a one year's subscription to the student newspaper and magazine, *The Amherst Student* and *The Amherst Literary Magazine*; and contributes to the support of the college band, the Glee Club, the Prom, the debate council, the radio station, the crew, and such other activities of the student body which fall under Council jurisdiction. To this fee is added \$2.00 covering admission to Masquers performances which are under College rather than Council jurisdiction, and a \$5.00 contribution to the skating rink as voted by the Student Council, making a total of \$35.00, one half of which, \$17.50, will appear on each semester bill.

#### SUMMARY OF EXPENSES

Beyond the total amount billed by the College will be the student's personal expenses, membership dues in student organizations, clothing, travel, books, and miscellaneous items, all of which will vary greatly with the individual but will probably range from one to two hundred dollars per semester.

# Scholarships and Financial Aid

*The officer directly in charge of the administration of scholarships and beneficiary aid is the Associate Dean.*

The beneficiary funds of the College aggregate over \$2,066,000. The income of these funds is distributed annually among students of high character and superior scholastic ability who can demonstrate financial need. For a full list of the funds see the Appendix.

## SCHOLARSHIPS FOR THE THREE UPPER CLASSES

Applicants for scholarships, or for renewal of scholarships, from the three upper classes must file at the Associate Dean's office, on or before May 1st, an account of their income and expenditures for the preceding year, and an estimate of their income and expenditures for the following year.

As a minimum scholastic requirement, applicants for scholarships from the three upper classes must pass all of their courses of the preceding year with an average of at least seventy-six per cent. In general, awards are restricted to students who stood in the upper half of their respective classes during the previous college year.

## SCHOLARSHIPS FOR INCOMING STUDENTS

More than 55 scholarships are awarded annually to applicants for admission to college who are in need of financial aid and who meet in full the entrance requirements. These scholarships range from \$200 to \$1700 per year. They are awarded for the first term in residence and entitle the recipient to a credit on the first bill. The continuation of each scholarship for the following term depends upon the student's passing all of his courses in his first term with an average of at least seventy-six per cent, and, when granted, involves a credit on the next term bill. All candidates for these scholarships must be candidates for admission and must take the Scholastic Aptitude Test and Achievement Test, given by the College Entrance Examination Board. Correspondence concerning scholarships should be addressed to the Associate Dean of the College, Amherst College, Amherst, Massachusetts. Each applicant for scholarship aid must file a formal application before February 15. No special examinations are needed other than the College Board tests required for Admission.

## SCHOLARSHIP FUNDS

Throughout the whole history of the College, funds have been given or bequeathed, the incomes of which are to be used for the assistance of worthy and needy students. A few of these funds are restricted to candidates for the ministry and a few of them are restricted by other factors,

such as the geographical location of the home of the applicant. In a few cases it is stipulated that the award from a particular fund shall be made to a particularly designated student. For the most part, however, the income of these funds may be awarded as the College sees fit. Three State Scholarships of full tuition are awarded annually to qualified residents of Massachusetts.

#### SCHOLARSHIP POLICY

In recent years the cost of attending colleges and universities has risen considerably and with it there has been an increased need for financial aid. To handle this, Amherst has recently broadened its financial aid program so that scholarship grants, loans and employment all play an important part. Once the financial assistance required by a student is determined, a portion of the aid may be an outright grant in the form of a scholarship, a portion may be in the form of a loan, and some may be supplied through the earnings of the student at college. Generally speaking, the loan will not exceed 20% of the total aid in the sophomore year, 30% in junior year and 40% in senior year. Special circumstances of an individual may vary these proportions. The loans bear an interest rate of 1% per annum until one year after leaving Amherst, or completion of graduate school or military service. Thereafter, repayment will be made at a minimum of \$10 per month which will include interest at the rate of 2% per annum. Scholarship aid is not contingent upon acceptance of a loan, and some students may prefer to earn more money in the summer or during the college year so that no loan will be needed.

In addition to the loans which are made in conjunction with scholarship grants there is a Student Loan Fund (see below).

#### SPECIAL SCHOLARSHIPS

*Sloan National Scholarships:* These special awards were established by the Alfred P. Sloan Foundation and are open to applicants who reside in the continental United States. With one exception, the stipends granted under these scholarships will vary with the financial need of the applicant. Awards will range from a minimum of \$200 to a maximum of \$2000 and will be renewed each year provided the recipient's performance continues on a high level and his relative financial need does not change. One \$200 honorary Sloan Award will be made to an outstanding applicant irrespective of financial need. Sloan awards will be made to men who have outstanding academic records in secondary school, who have demonstrated unusual initiative, and who appear to have the character and personality required for future leadership.

*Alumni Fund Scholarships:* A limited number of special awards financed from the Amherst Alumni Fund are available for outstanding students de-

pending upon financial need. Stipends range up to \$1500 and are renewed annually unless the recipient fails to maintain a high scholastic average or his financial need decreases.

*General Motors College Scholarship:* The stipend for this award is determined on the basis of demonstrated need up to a maximum of \$2,000 per year. The purpose of this award is to provide funds to enable an outstanding student to attend college irrespective of his financial resources. The primary considerations apart from demonstrated need are the worth, talent, and qualifications of the individual applicant. The General Motors award will be renewed for the four undergraduate years provided the student continues to meet the required standards.

*Proctor and Gamble Scholarship:* This award includes full tuition and an annual allowance for books, fees, and supplies (excepting room and board) for the entire four-year course. This scholarship will go to a student of unusual ability and promise who could not attend college without considerable financial assistance.

*Other Special Scholarships:* Also available in recent years have been scholarships sponsored by several other foundations, trusts, and corporations. These organizations include The Westinghouse Corporation, The Edwin Gould Foundation for Children, Merrill Lynch, Pierce, Fenner & Beane, The Agnes M. Lindsay Trust, the Hubshman Foundation and the Allied Chemical and Dye Corporation.

#### RESIDENTS OF AMHERST

Free tuition may be granted at the discretion of The Trustees of Amherst College to applicants for admission who can satisfy in full the entrance requirements for Amherst College, who have been residents of Amherst for three years before the time of admission to college, and whose parents have also been residents of Amherst for three years. The grants of free tuition are continued throughout the college course, provided the students concerned satisfy the scholarship requirements of the College, conform to its regulations, and the parents of the students concerned continue to live in Amherst.

#### STUDENT LOAN FUND

Through the liberality of friends of the College, provision is made for loans of a limited amount to a few students in the later years of the course, at a low rate of interest, upon notes to be paid in subsequent years. In accordance with the conditions imposed by the donors of the Loan Fund, its use is limited to students in good scholastic standing whose habits of expenditure are economical. Application blanks may be obtained at the Associate Dean's office.

## Degree Requirements

### MASTER OF ARTS

The Master of Arts degree is conferred upon students who have received the Bachelor of Arts degree either from Amherst College or from another college which has similar requirements for the Bachelor of Arts degree, and who have met the requirements described below. Application forms and a detailed explanation of the requirements may be obtained from the Dean. The tuition charge for the Master of Arts degree is \$800.

#### REQUIREMENTS FOR MASTER OF ARTS DEGREE

To become a candidate for the Master of Arts degree, students are expected to have at least a B average or its equivalent in their undergraduate work. They should secure approval of proposed courses of study from the Dean, the department concerned, and the Committee of Six, not later than the June preceding the opening of the college year in which they plan to begin work for this degree.

Candidates are required to complete at least eight semester courses of advanced character, or the equivalent, under the direction of the department concerned, to secure grades of at least B in every course, to spend a minimum of two semesters in residence in Amherst College, to prepare a satisfactory thesis, and to pass oral and written comprehensive examinations.

### BACHELOR OF ARTS

The degree Bachelor of Arts is conferred upon students of Amherst College who have satisfactorily met the requirements prescribed for that degree. The plan of studies leading to the degree Bachelor of Arts is arranged on a basis of the equivalent of an eight-semester course to be pursued by students in residence at the College.

The Bachelor of Arts degree *cum laude*, *magna cum laude* or *summa cum laude* (Degree with Honors), is awarded to students who have successfully completed an approved program of honors work with a department or group.

To other students who have satisfactorily met the requirements the degree Bachelor of Arts *rite* is awarded.

#### REQUIREMENTS FOR BACHELOR OF ARTS DEGREE

The degree of Bachelor of Arts is awarded to students who complete a minimum of one hundred and twenty-eight credit hours, of which at least sixty-four must be completed in the freshman and sophomore years, and at least sixty-four in the junior and senior years; who in freshman and sophomore years complete three two-year sequence courses in natural

science, social science, and English-Humanities; who in junior and senior years take at least fifteen credit hours outside the division in which they are majoring; and who complete certain prescribed work in public speaking and physical education.

*Note A:* A Sophomore who finds it necessary to exceed the sixty-four credit-hour minimum of the first two years in order to take an introductory course in a department in which he plans to major may, with the Dean's permission, postpone a required sophomore course to the junior year.

*Note B:* A portion of the fifteen credit-hour extra-divisional requirement may be waived by departmental representatives whenever they consider it justified. In such cases, students, both *rite* and honors, must submit a written statement to the representatives of the departments in which they are majoring giving the reasons why the requirement should be waived.

*Note C:* With permission of the Dean students may take Astronomy 22 in lieu of Science 22 or 24 in satisfying the sophomore science requirement.

*Note D:* In order to satisfy the Humanities requirement, students must elect, in addition to the prescribed freshman humanities course, three further semester courses, for a total of at least nine credit hours, from the following three groups:

- (a) Philosophy, Religion, Classical Civilization
- (b) Music, Fine Arts, Dramatic Arts
- (c) English or foreign literature.

The requirement may be met *either* by electing one semester course from each of the three groups *or* by electing two semester courses from one group and an additional semester course from either of the other two groups. Two of these courses must be completed by the end of the sophomore year. The particular courses which may be offered in satisfaction of this requirement are those designated by the departments concerned in their announcements of course offerings.

Candidates must have no deficiencies in the work of any year; must satisfy the language requirement in French, German, Italian, Russian, Spanish, Latin or Greek; must attain a general average of 70 percent in the courses completed at Amherst College and a grade of at least 70 percent in every course completed in another institution.

*Note E:* Candidates' averages each semester will be computed on the basis of all courses taken at Amherst College, and candidates must have a general average, including failure grades, of 70 percent in courses taken at Amherst College to be eligible to receive the degree Bachelor of Arts.

A major consists of the equivalent of thirty credit hours pursued under the direction of a department or special group. A major cannot begin later than the junior year and may begin in either the freshman or sophomore

year. At least one course in the major must be included in each semester of both the junior and senior years. Each department decides whether a freshman course in a department shall count toward its major.

The major can be met in accordance with either of two plans:

Plan A: A student may complete the thirty credit hour requirement within one department. He must complete at least twenty-two credit hours within one department, however, in which case he may complete the remaining credit hour requirement in related fields approved by the department.

Plan B: Combinations of courses not provided for under Plan A, but similar in aim to the established group majors in American Studies and Renaissance Studies, may be made with the consent of the several departments concerned and of the Dean.

#### LANGUAGE REQUIREMENTS

The college language requirement may be satisfied in any of the following languages: French, German, Italian, Russian, Spanish, Latin, or Greek.

In modern languages the requirement may be met in either of the following ways:

1. At entrance, by a satisfactory score in the College Entrance Examination Board Achievement Test in the language, plus a demonstration of ability to comprehend the spoken language in an oral examination to be given to freshmen at the beginning of the college year.

2. After entrance, by passing course 5, or by passing reading and aural comprehension examinations to be given at the end of course 3.

In ancient languages the requirement may be met in either of the following ways:

1. At entrance, by a satisfactory score in the College Entrance Examination Board Achievement Test in Latin or Greek.

2. After entrance, by passing Latin 3 with a grade of C, by passing any higher numbered course in Latin, or by passing Greek 3.

#### DEGREE WITH HONORS

The degree Bachelor of Arts with honors is awarded at graduation to students whose academic records give evidence of particular merit. It may be awarded *cum laude*, *magna cum laude*, or *summa cum laude*, according to the level of achievement of the candidates. All degrees with honors are noted on the diploma and the Commencement program, and are announced in the annual catalog.

The award of honors is made by the Faculty of the College. In making such award the Faculty will take into account the following factors: (1) Candidates must have a minimum college average of 80 to be eligible to be considered for the degree *cum laude*, of 86.00 for the degree *magna cum*

*laude*, and of 90.00 for the degree *summa cum laude*. (2) Candidates must receive the recommendation for the degree *cum laude*, *magna cum laude*, or *summa cum laude* from the department in which they have done their major work. Each department will define the conditions upon which it will be their practice to make recommendations to the Faculty. (3) In the case of the award of *magna cum laude* and *summa cum laude* the Dean and the Committee of Six will review the entire record of candidates and will transmit to the Faculty their recommendations. Only students of marked distinction in both general work and in the field of honor studies will be recommended for the *summa cum laude* degree.

A student is expected to have a general average of at least 80 percent at the time he is accepted as a candidate for honors in a department or group. However, if the department concerned approves, a student whose average is below 80 percent may become a candidate for the degree with honors.

A candidate for a degree with honors may be permitted, at the discretion of the department in which he is majoring, to substitute in his junior year a conference course for one of his regular three- or four-hour courses, and in his senior year a conference course for one or two of his regular three- or four-hour courses.

### COURSE DIVISIONS 1957-58

DIVISION I <i>The Humanities</i>	DIVISION II <i>Social Studies</i>	DIVISION III <i>Mathematics and Natural Sciences</i>
Dramatics Arts English Fine Arts French German Greek Humanities Italian Latin Music Philosophy Public Speaking Religion Russian Spanish	American Studies Economics History Legal Studies Political Science	Anthropology Astronomy Biology Chemistry Geology Mathematics Physics Psychology Science

## CURRICULUM FOR FIRST TWO YEARS 1957-58

The complete program for freshmen and sophomores is:

<i>Science</i>	<i>History</i>	<i>Humanities</i>	<i>Elective</i>	<i>Public Speaking</i>
<b>FRESHMAN YEAR</b>				
Physical Science and Mathematics *	European Civilization	English and Humanities	Foreign language or other elective	
<b>SOPHOMORE YEAR</b>				
<i>One course from:</i> A. Chemistry and Biology B. Evolution of the Earth and Man C. Astronomy 22 (see Note C, page 33)	Problems in American Civilization	<i>Two courses from:</i> A. Literature — English or foreign B. Philosophy, Religion, Classical Civilization C. Fine Arts, Music and Drama	Elective	Public Speaking

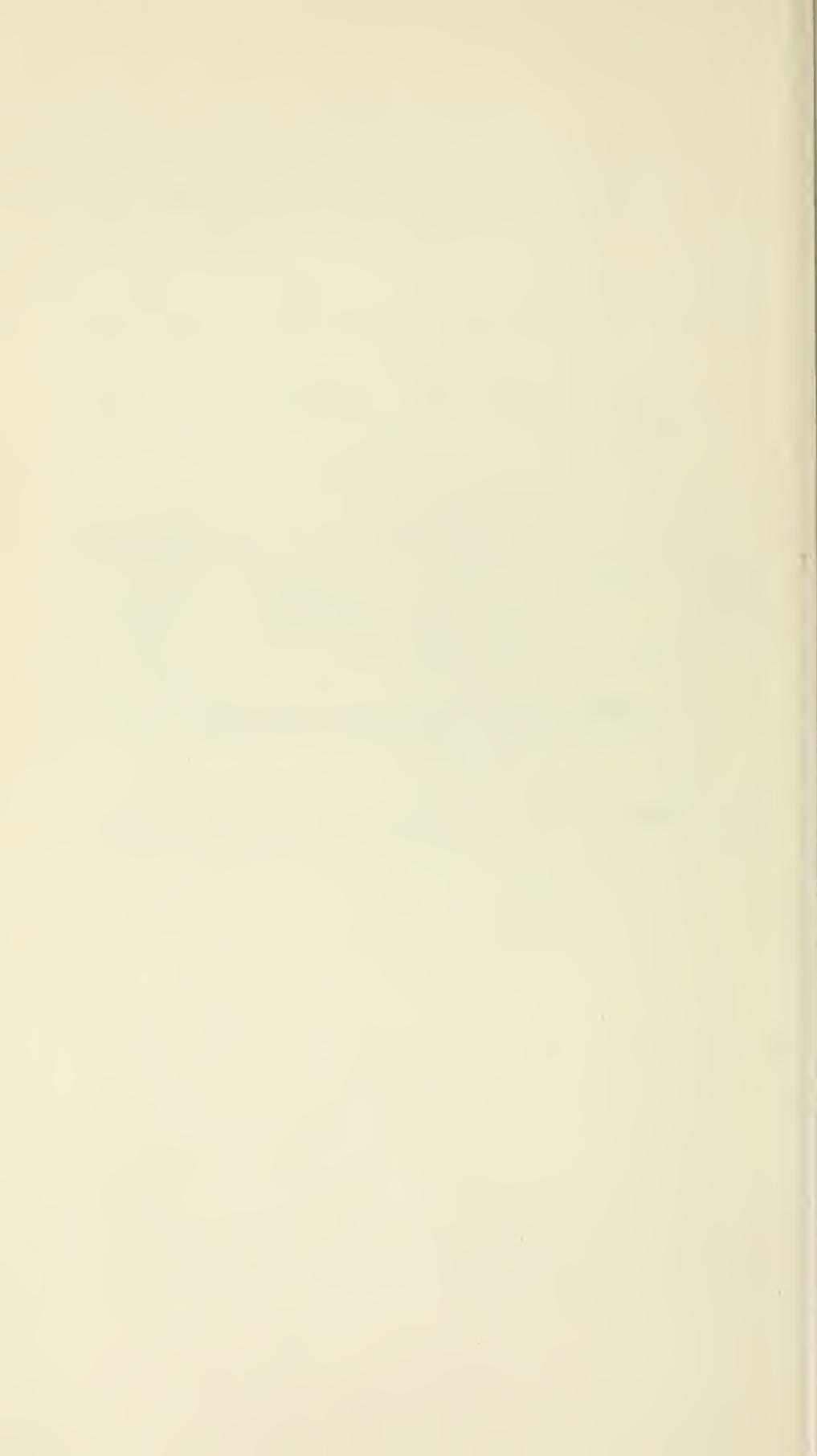
\* A combination course in mathematics and physics.

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## II

### *Administration and Faculty*

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## Officers of Administration

CHARLES WOOLSEY COLE, PH.D., L.H.D., SC.D., LITT.D., LL.D.	President
CHARLES SCOTT PORTER, M.A., L.H.D.	Dean
EUGENE SMITH WILSON, B.A.	Dean of Admission
THEODORE SPAULDING BACON, JR., B.A.	Associate Dean
JOHN CUSHING ESTY, JR., M.A.	Associate Dean
CORTLAND VAN RENSSALAER HALSEY, PH.D.	Assistant Dean of Admission
ROBERT FREEMAN GROSE, PH.D.	Registrar
PAUL DYESS WEATHERS, M.B.A.	Treasurer
MINOT GROSE, B.A.	Business Manager
HERBERT GALE JOHNSON, B.A.	Comptroller
GEORGE BURNHAM MAY, B.A.	Assistant to the Comptroller
ROBERT HERMAN HEIDRICH, A.E.E., P.E.	<i>Superintendent of Buildings and Grounds</i>
GORDON BENJAMIN BRIDGES, M.A.	<i>Director of Dining Halls and Director of Personnel</i>
THAYER AINSWORTH GREENE, B.D.	Chaplain
ALLISON WILSON MARSH, M.ED.	
	<i>Chairman of the Department of Physical Education and Intercollegiate Athletics</i>
ELLSWORTH ELLIOTT RICHARDSON, M.A.	
	<i>Director of Freshman Physical Education and Athletics</i>
STEPHEN BROWN, M.D.	College Physician
OSCAR DONALD CHRISMAN, M.D.	Associate College Physician
GORDON DAVIES ARNOLD, M.D.	Assistant College Physician
HASKELL ROBERT COPLIN, PH.D.	Student Counselor
PAUL HAROLD SETON, M.D.	Assistant College Physician
MARY MARGARET BARKOWSKI, R.N.	<i>Supervisor of Student Health Office</i>
HELEN BOLT STIMSON, R.N.	<i>Supervisor of the Infirmary</i>
JAMES ALFRED GUEST, LL.B.	<i>Secretary of the Alumni Council</i>
JOHN CUSHING ESTY, B.A.	<i>Assistant to the Secretary of the Alumni Council</i>
ARTHUR DAVENPORT, B.A.	
	<i>Fraternity Business Manager and Business Advisor to Student Activities</i>
CHARLES HATHAWAY TROUT, B.A.	
	<i>Assistant to the Director of Admission on the Mayo-Smith Teaching Grant</i>
HORACE WILSON HEWLETT, M.A.	<i>Director of Public Relations</i>
PETER SCHRAG, B.A.	<i>Assistant Director of Public Relations</i>
JOHN CLEMENT SCHULER, MUS.D.	<i>Director of the Band</i>

# Faculty

CHARLES WOOLSEY COLE, PH.D., L.H.D., SC.D., LITT.D., LL.D.

*President of the College*

CHARLES SCOTT PORTER, M.A., L.H.D.

*Dean of the College*

EUGENE SMITH WILSON, B.A.

*Dean of Admission*

THEODORE SPAULDING BACON, JR., B.A.

*Associate Dean*

JOHN CUSHING ESTY, JR., M.A.

*Associate Dean*

CORTLAND VAN RENNSLAER HALSEY, PH.D.

*Assistant Dean of Admission*

ROBERT FREEMAN GROSE, PH.D.

*Registrar*

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*The Faculty Is Arranged Alphabetically in Rank*

GEOFFROY ATKINSON, PH.D.

*Professor of Romance Languages on the Eliza J. Clark Folger Foundation, Emeritus*

ARTHUR HENRY BAXTER, PH.D.

*Professor of Romance Languages, Emeritus*

GEORGE ROY ELLIOTT, PH.D., LITT.D.

*Professor of English on the Henry C. Folger Foundation, Emeritus*

THOMAS CUSHING ESTY, LL.D.

*Walker Professor of Mathematics, Emeritus*

WARREN KIMBALL GREEN, PH.D.

*Professor of Astronomy, Emeritus*

MICHAEL JOSEPH KENNEDY Associate Professor of Physical Education, Emeritus

STERLING POWER LAMPRECHT, PH.D.

*Professor of Philosophy on the Emily C. Jordan Folger Foundation*

OTTO MANTHEY-ZORN, PH.D.

*Professor of German on the Emily C. Jordan Folger Foundation, Emeritus*

WILLIAM JESSE NEWLIN, M.A. *Professor of Philosophy and Mathematics, Emeritus*

WILLIAM TINGLE ROWLAND, PH.D.

*Professor of Latin, Emeritus*

CHARLES HANSEN TOLL, PH.D. *Professor of Philosophy and Psychology, Emeritus*

RALPH COPLESTONE WILLIAMS, PH.D.

*Professor of French, Emeritus*

ROBERT FROST, L.H.D., LITT.D.

*Simpson Lecturer in Literature*

ARNOLD BORIS ARONS, PH.D.

*Professor of Physics*

GEORGE WILLIAM BAIN, PH.D.

*Samuel A. Hitchcock Professor of Mineralogy and Geology*

THEODORE BAIRD, PH.D.

*Samuel Williston Professor of English*

CESAR LOMBARDI BARPER, M.A.

*Professor of English*

RALPH ALONZO BEEBE, PH.D.

*Massachusetts Professor of Chemistry*

ROBERT HERMANN BREUSCH, PH.D.

*Professor of Mathematics*

BAILEY LEFEVRE BROWN, M.A.

*Professor of Mathematics*

STEPHEN BROWN, M.D.

*College Physician and Parmly Billings Professor of Hygiene*

HENRY STEELE COMMAGER, PH.D.

*Amherst College Professor of American History and American Studies*

HASKELL ROBERT COPLIN, PH.D.

*Professor of Psychology and Student Counselor*

GEORGE ARMOUR CRAIG, PH.D.

*Professor of English*

PAUL WITHERSPOON ECKLEY, M.A.	<i>Professor of Physical Education</i>
† REGINALD FOSTER FRENCH, PH.D.	<i>Professor of Romance Languages</i>
GEORGE BANKS FUNNELL, M.A.	<i>Professor of French</i>
STEWART LEE GARRISON, M.A.	<i>Professor of English and Public Speaking</i>
DAVID CALDWELL GRAHAME, PH.D.	<i>Professor of Chemistry</i>
† ALFRED FREEMAN HAVIGHURST, PH.D.	<i>Professor of History</i>
ROGER WELLINGTON HOLMES, PH.D.	<i>Visiting Professor of Cryptography</i>
GEORGE ROLFE HUMPHRIES, M.A.	<i>Lecturer in English</i>
† ALFRED KAZIN, M.A.	<i>Professor of American Studies</i>
GAIL KENNEDY, PH.D.	<i>Professor of Philosophy on the Henry C. Folger Foundation</i>
GEORGE WALLACE KIDDER, PH.D., SC.D.	<i>Stone Professor of Biology</i>
THEODORE KOESTER, PH.D.	<i>Professor of Psychology</i>
EARL LATHAM, PH.D.	<i>Joseph B. Eastman Professor of Political Science</i>
KARL LOEWENSTEIN, D.C.L.	
	<i>William Nelson Cromwell Professor of Jurisprudence and Political Science</i>
ALBERT ERNEST LUMLEY, M.A.	<i>Professor of Physical Education</i>
ALLISON WILSON MARSH, M.ED.	
	<i>Professor of Hygiene and Physical Education and Director of the Gymnasium</i>
JAMES ALFRED MARTIN, JR., PH.D.	<i>Marquand and Stone Professor of Religion</i>
LEO MARX, PH.D.	<i>Visiting Professor of American Studies</i>
DONALD COPE MCKAY, PH.D.	<i>Professor of History</i>
† NEWTON FELCH McKEON, B.A.	
	<i>Professor of English and Dir. of Converse Memorial Library</i>
JOHN JACKSON McLAUGHRY, M.A.	<i>Professor of Physical Education</i>
† HENRY GEORGE MISHKIN, PH.D.	<i>Professor of Music</i>
CHARLES HILL MORGAN, PH.D.	
	<i>Professor of Fine Arts on William R. Mead Foundation</i>
VINCENT MORGAN, MUS.M.	<i>Professor of Music</i>
JAMES RODNEY NELSON, PH.D.	<i>Charles E. Merrill Professor of Economics</i>
HAROLD HENRY PLOUGH, PH.D.	<i>Edward S. Harkness Professor of Biology</i>
ELLSWORTH ELLIOTT RICHARDSON, M.A.	<i>Professor of Physical Education and Director of Freshman Education and Athletics</i>
STANLEY CURTIS ROSS, B.A., LL.D.	<i>Visiting Professor of Economics</i>
EDWIN CHARLES ROZWENC, PH.D.	
	<i>Dwight W. Morrow Professor of American History</i>
EDWARD DWIGHT SALMON, PH.D.	<i>Winkley Professor of History</i>
ANTHONY SCENNA, PH.D.	<i>Professor of German</i>
OSCAR EMILE SCHOTTE, SC.D.	<i>Rufus Tyler Lincoln Professor of Biology</i>
THEODORE SOLLER, PH.D.	<i>Professor of Physics</i>
ATHERTON HALL SPRAGUE, PH.D.	<i>Professor of Mathematics</i>
GEORGE ROGERS TAYLOR, PH.D.	<i>George D. Olds Professor of Economics</i>

† Leave second semester.

† Leave first semester.

WILLARD LONG THORP, PH.D., LL.D.

*Professor of Economics and Director Merrill Center of Economics*

FREDERICK KING TURGEON, PH.D.

*Professor of French*

COLSTON ESTEY WARNE, PH.D.

*Professor of Economics*

ROBERT BYRON WHITNEY, PH.D.

*George H. Corey Professor of Chemistry*

ALBERT ELMER WOOD, PH.D.

*Professor of Biology*

BENJAMIN MUNN ZIEGLER, LL.B., PH.D.

*Bertrand Snell Professor of Political Science*

BRUCE BUZZELL BENSON, PH.D.

*Associate Professor of Physics*

O. DONALD CHRISMAN, M.D.

*Associate College Physician*

WENDELL VERNON CLAUSEN, PH.D.

*Associate Professor of Classics*

BENJAMIN HAILE DEMOTT, PH.D.

*Associate Professor of English*

WILLIAM HEATHERINGTON DURFEE, PH.D.

*Visiting Associate Professor of Mathematics*

JOSEPH EPSTEIN, PH.D.

*Associate Professor of Philosophy*

ROBERT FREEMAN GROSE, PH.D.

*Associate Professor of Psychology and Registrar*

ERNEST ALFRED JOINSON, PH.D.

*Associate Professor of Romance Languages*

WILLIAM ELMER KENNICK, PH.D.

*Associate Professor of Philosophy*

MANFORD VAUGHN KERN, M.A.

*Associate Professor of Classics*

ALBERT PAUL LINNELL, PH.D.

*Associate Professor of Astronomy*BENJAMIN FRANKLIN McCABE, M.A. *Associate Professor of Physical Education*RALPH CLELAND McGOUN, JR., M.A. *Associate Professor of Dramatic Arts*JOHN ANDREW MOORE, M.A. *John C. Newton Associate Professor of Classics*MURRAY BISBEE PEPPARD, PH.D. *Associate Professor of German*

CHARLES ENSIGN ROGERS, M.A.

*Associate Professor of Fine Arts and Dramatic Arts*

LOUISE MILES ROOD, M.A.

*Visiting Associate Professor of Music*

† STEVEN MARTIN ROSTAS, M.ED.

*Associate Professor of Physical Education*

RICHARD EUGENE WILSON, M.ED.

*Associate Professor of Physical Education*

GORDON DAVIES ARNOLD, M.D.

*Assistant College Physician*

ROBERT CHARLES BIRNEY, PH.D.

*Assistant Professor of Psychology*

WALTER LEROY BOUGHTON, M.F.A.

*Stanley King Assistant Professor of Dramatics and Director of Kirby Theatre*

GERALD PATRICK BROPHY, PH.D.

*Assistant Professor of Geology*\* OTIS CARY, M.A. *Assistant Professor on leave for service at Doshisha University*

ARNOLD COLLERY, B.A.

*Assistant Professor of Economics*

\* WILLIAM HUMISTON DARR, B.A.

*Assistant Professor of Fine Arts*

RICHARD MATEER DOUGLAS, PH.D.

*Assistant Professor of History*

HENRY FREDERICK DUNBAR, JR., PH.D.

*Assistant Professor of Physical Education*

† Leave first semester.

‡ Leave second semester.

\* Leave full year.

JOHN FRANCIS ELLIS, PH.D.	<i>Assistant Professor of Biology</i>
DANIEL ROBERT GILBERT, PH.D.	<i>Assistant Professor of American Studies</i>
ELMO GIORDANETTI, M.A.	<i>Assistant Professor of Romance Languages</i>
JOEL ETHAN GORDAN, B.A.	<i>Assistant Professor of Physics</i>
† THOMAS FAUSS GOULD, PH.D.	<i>Assistant Professor of Classics</i>
RICHARD MERRILL GOWEN, A.B.	<i>Assistant Professor of Physical Education</i>
THEODORE PHINNEY GREENE, M.A.	<i>Assistant Professor of History</i>
JOHN BURT HALSTED, PH.D.	<i>Assistant Professor of History</i>
GEORGE ANDREWS HAY, JR., PH.D.	<i>Assistant Professor of Economics</i>
WILLIAM MICHAEL HEXTOR, PH.D.	<i>Assistant Professor of Biology</i>
* FRANCIS THOMAS JUSTER, B.S.	<i>Assistant Professor of Economics</i>
CHARLES WILLIAM LUDINGTON, M.F.A.	<i>Assistant Professor of Music</i>
PAUL CHESTER NAGEL, PH.D.	<i>Assistant Professor of American Studies</i>
EGON NEUBERGER, PH.D.	<i>Assistant Professor of Economics</i>
LAI EDWARD NIELSEN, PH.D.	<i>Assistant Professor of Philosophy</i>
MICHAEL MULLIN ROBISON, PH.D.	<i>Assistant Professor of Chemistry</i>
ROBERT HORTON ROMER, PH.D.	<i>Assistant Professor of Physics</i>
RICHARD HENDERSON RUSSELL, M.A.	<i>Assistant Professor of History</i>
PAUL SAMUEL SANDERS, TH.D.	<i>Assistant Professor of Religion</i>
EARLE STANLEY SCOTT, PH.D.	<i>Assistant Professor of Chemistry</i>
PAUL HAROLD SETON, M.D.	<i>Assistant College Physician</i>
DUDLEY HERBERT TOWNE, PH.D.	<i>Assistant Professor of Physics</i>
FRANK ANDERSON TRAPP, PH.D.	<i>Assistant Professor of Fine Arts</i>
* ALFRED BURTON WILLCOX, PH.D.	<i>Assistant Professor of Mathematics</i>
HENRY THOMAS YOST, JR., PH.D.	<i>Assistant Professor of Biology</i>
THOMAS NOEL BISSON, M.A.	<i>Instructor in History</i>
JOHN FRANCIS BUTLER, M.A.	<i>Instructor in English</i>
WILLIAM CALVIN CANNON, M.A.	<i>Instructor in Spanish</i>
COLBY WILSON DEMPSEY, M.A.	<i>Instructor in Physics</i>
JOHN CUSHING ESTY, JR., M.A.	<i>Instructor in Mathematics &amp; Associate Dean</i>
THAYER AINSWORTH GREEN, B.D.	<i>Chaplain</i>
RICHARD ALEXANDER GREGG, M.A.	<i>Instructor in Russian</i>
C. VAN RENSSLAER HALSEY, PH.D.	<i>Instructor in American Studies</i>
HUGH DODGE HAWKINS, PH.D.	<i>Instructor in American Studies</i>
WILLIAM WEBSTER HEATH, PH.D.	<i>Instructor in English</i>
CHARLES FREDERICK HOFMANN, B.A.	<i>Instructor in French</i>
DONALD JOSEPH HOGAN, M.A.	<i>Instructor in English</i>
ROBERT MAYNARD JORDAN, PH.D.	<i>Instructor in English</i>
GEORGE ANTHONY KATEB, M.A.	<i>Instructor in Political Science</i>
IVAN TRACY KAUFMAN, M.A.	<i>Assistant Chaplain</i>
JOHN HOWARD KESSEL, B.A.	<i>Instructor in Political Science</i>

† Leave Second semester

\* Leave full year.

*DAVID SHEPHERD KING, B.A.	Assistant Chaplain
GEORGE LOCKWOOD, B.F.A.	Instructor in Fine Arts
HAROLD GEORGE LOOMIS, PH.D.	Instructor in Mathematics
JOSEPH ALAN MCLEAN, B.A.	Assistant Chaplain
KERMIT MORRISSEY, M.A.	Instructor in Political Science
FRANCIS BALLARD RANDALL, M.A.	Instructor in History
CARTER CURTIS REWARD, B.A.	Instructor in English
ROGER HILLER SALE, PH.D.	Instructor in English
WALTER ALFRED SEDELOW, JR., PH.D.	Instructor in History
EDWARD JOSEPH SERUES, B.S.	Instructor in Physical Education
RICHARD G. VAN PETERSILGE	Instructor in Physical Education
GREGORY WORTHINGTON WEBB, PH.D.	Instructor in Geology
EDWIN BENJAMIN WESTON, M.A.	Instructor in Astronomy
DONALD OWEN WHITE, M.A.	Instructor in German
LAURENCE EDWARD WILSON, B.A.	Instructor in Chemistry

### Associate

PHILIP TRUMAN IVES, PH.D.

*Research Associate in Biology*

### Assistants

JOHN BOUILLAGUET	Romance Languages
KATE D. BREUSCH	German
BETTY LOUISE BRUENING	Biology
ALDA B. CANNON	Romance Languages
KLAUS-DIETER GOTTSCHALK	German
PAUL HASSOUN	Romance Languages
KARL JOSEF KUEPPER	German
ANNA MACIAS	American Studies
JAMES O. PULLMAN	Physics
ALAIN FRANCOIS TALLON	Romance Languages
YVES MARC TOMMY-MARTIN	Romance Languages
HUGO GONZALES VIVANCO	Romance Languages
FRED WILLIAM WEYTER	Biology
JULIO EDGAR ZAVALA	Romance Languages

### Faculty Committees

*Committee of Six:* President COLE (Chairman, *ex officio*), Dean PORTER (Secretary, *ex officio*), Professors BARBER, FUNNELL, MOORE, ROZWENC, SOLLER and TAYLOR.

*Committee on Educational Policy:* Professors BREUSCH, JOHNSON, NELSON, SALMON, and TOWNE.

\* Leave full year.

*Fellowship Committee:* President COLE (Chairman), Dean PORTER (Secretary), Professors BAIRD, NELSON, WHITNEY, and ZIEGLER.

*Committee on Admission and Scholarships:* President COLE (Chairman), Dean WILSON (Secretary), Dean BACON, Dean ESTY, Dean HALSEY, Dean PORTER, and Professors CRAIG and GROSE.

*Committee on Intercollegiate Athletics:* President COLE (Chairman), Dean PORTER (Secretary), Professors ECKLEY, LUMLEY, McLAUGHRY, MARSH, NELSON, RICHARDSON, WILSON, Doctor BROWN, and PETER D. M. PARKER, Pres. of the Student Council.

*Lecture Committee:* Professors CLAUSEN (Chairman), BENSON, GREENE and MARTIN.

*Library Committee:* Professors McKEON (Chairman), BREUSCH, DOUGLAS, KENNEDY, LINNELL, MARTIN, and TAYLOR.

## Fellows

ROBERT E. BAGG, '57	Paris, France
<i>Special John Woodruff Simpson Fellow in honor of Robert Frost for study of writing in preparation for teaching of creative writing</i>	
ROBERT DANIEL CARLEN, '57	New York University
<i>John Woodruff Simpson Fellow in Medicine</i>	
JOEL MATTHEW CHAZIN, '57	Harvard Law School
<i>John Woodruff Simpson Fellow in Law</i>	
CALVIN LEE DAMP, '47	University of Wisconsin
<i>Amherst Memorial Fellow in History in preparation for teaching</i>	
RICHARD WHITLOCK DAVIS, '57	Columbia University
<i>Henry P. Field Fellow in History</i>	
<i>Forris Jewett Moore Fellow in History</i>	
HOWARD GOLDIN, '57	Cornell University Medical College
<i>John Woodruff Simpson Fellow in Medicine</i>	
STEPHEN POSS GRAYER, '57	Harvard Medical School
<i>John Woodruff Simpson Fellow in Medicine</i>	
DONALD BRUCE HANSON, '57	Union Theological Seminary
<i>Amherst Memorial Fellow in Theology</i>	
JAMES GERALD HARVEY, '56	Harvard University
<i>Amherst Memorial Fellow in Secondary Education in preparation for teaching</i>	
WARREN HENRY HOLLINSHEAD, '57	Harvard Law School
<i>John Woodruff Simpson Fellow in Law</i>	
SHERIDAN WAITE JOHNS, III, '57	Harvard University
<i>George A. Plimpton Fellow in Russian Studies</i>	
ARNE ROBERT JOHNSON, '57	Harvard Law School
<i>John Woodruff Simpson Fellow in Law</i>	

GEORGE EDWARD KOSKI, '57	Lutheran Theological Seminary
	<i>Amherst Memorial Fellow in Theology</i>
HAYES CORLISS LAMONT, '57	Faculte des Sciences, Paris, France
	<i>George A. Plimpton Fellow in Mathematics</i>
FERGUSON MCKAY, '57	Yale University
	<i>Amherst Memorial Fellow in English in preparation for teaching</i>
JOHN SHAVER MELIN, '50	Yale University
	<i>James Ingram Merrill Fellow in English</i>
RICHARD WILBUR MILLER, '57	University of Pennsylvania
	<i>John Woodruff Simpson Fellow in Medicine</i>
KONG-KI MIN, '57	University of Illinois
	<i>Amherst Memorial Fellow in Physics in preparation for teaching</i>
JAMES FREDERICK MOLLENAUER, '57	University of California
	<i>Forris Jewett Moore Fellow in Chemistry</i>
ROBERT SCHIENNEN NEALE, '57	University of Illinois
	<i>George A. Plimpton Fellow in Chemistry</i>
CHARLES FESSENDEN PEASE, '57	Julliard School of Music
	<i>The Edward Poole Lay Fellow in Music</i>
PHILIP HENRY PFATTEICHER, '57	Lutheran Theological Seminary
	<i>Amherst Memorial Fellow in Theology</i>
HOWARD EZRA ROTNER, '57	Harvard Medical School
	<i>John Woodruff Simpson Fellow in Medicine</i>
ROBERT EDWARD SHOENBERG, '57	University of Michigan
	<i>Amherst Memorial Fellow in English in preparation for teaching</i>
ROBERT A. SHORE, '57	Harvard University
	<i>Amherst Memorial Fellow in Mathematics in preparation for teaching</i>
MORGAN COLLINS SILBAUGH, '57	Harvard University
	<i>Henry P. Field Fellow in English</i>
STUART SIDNEY TULLER, JR., '57	Protestant Episcopal Seminary
	<i>Amherst Memorial Fellow in Theology</i>
CHARLES FREDERIC TURGEON	Yale Law School
	<i>John Woodruff Simpson Fellow in Law</i>
RICHARD ALAN WASSERSTROM, '57	University of Michigan
	<i>Forris Jewett Moore Fellow in Philosophy</i>
KWANG YU, '57	Princeton University
	<i>Amherst Memorial Fellow in Physics in preparation for teaching</i>

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## Amherst College Library

NEWTON FELCH McKEON, JR., B.A.

*Director*

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KATHARINE CONOVER COWLES, B.A., B.S.  
EBENEZER PORTER DICKINSON

*Chief Cataloguer  
Reference Librarian*

RUTH MARIE ERIT, B.A.  
GLADYS JONES MACK, B.A., B.L.S.

*Order Librarian  
Head of Circulation*

## The Pratt Museum of Geology

GEORGE WILLIAM BAIN, PH.D.  
ALBERT ELMER WOOD, PH.D.  
GERALD PATRICK BROPHY, PH.D.  
GREGORY WORTHINGTON WEBB, PH.D.

*Curator  
Associate Curator  
Associate Curator  
Associate Curator*

## Snell Museum of Physics

THEODORE SOLLER, PH.D.

*Director*

## Edward Hitchcock Memorial Room

RENA MARY DURKAN

*Curator*

## Amherst College Wildlife Sanctuary

WALTER CHARLES MARKERT, B.S.

*Director*

## Mead Art Building

CHARLES HILL MORGAN, PH.D.  
CHARLES ENSIGN ROGERS, M.A.  
MARGARET CECILIA TOOLE, B.A.

*Director  
Assistant Director  
Assistant Curator of Painting*

## ADVISORY COMMITTEE ON ACQUISITIONS

LOUISA DRESSER, B.A. Worcester, Mass.  
*Curator, Worcester Art Museum*

CHARLES HILL MORGAN, PH.D. Amherst, Mass.  
*Professor of Fine Arts on the William R. Mead Foundation*

CHARLES HENRY SAWYER, L.H.D. Ann Arbor, Michigan  
*Professor of Fine Arts, University of Michigan*

JAMES KELLUM SMITH, L.H.D. New York, N. Y.  
*President of the American Academy in Rome*

FRANCIS HENRY TAYLOR, L.H.D. New York, N. Y.  
*Director of the Worcester Art Museum*

CHARLES WOOLSEY COLE, PH.D., L.H.D., SC.D., LITT.D., LL.D. Amherst, Mass.  
*President of the College, ex officio*

## Kirby Memorial Theater

WALTER LEROY BOUGHTON, M.F.A.

*Director*

CHARLES ENSIGN ROGERS, M.A.

*Designer*

RALPH CLELAND MCGOUN, JR., M.A.

*Technical Director*

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## Advisor on Charitable Fund Awards

FRANK LEAROYD BOYDEN, S.C.D., P.D.D., LITT.D., L.H.D., LL.D.

Deerfield, Mass.

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## Religious Advisers

REV. DAVID J. POWER

*Religious Adviser to Catholic Students*

RABBI LOUIS RUCHAMES

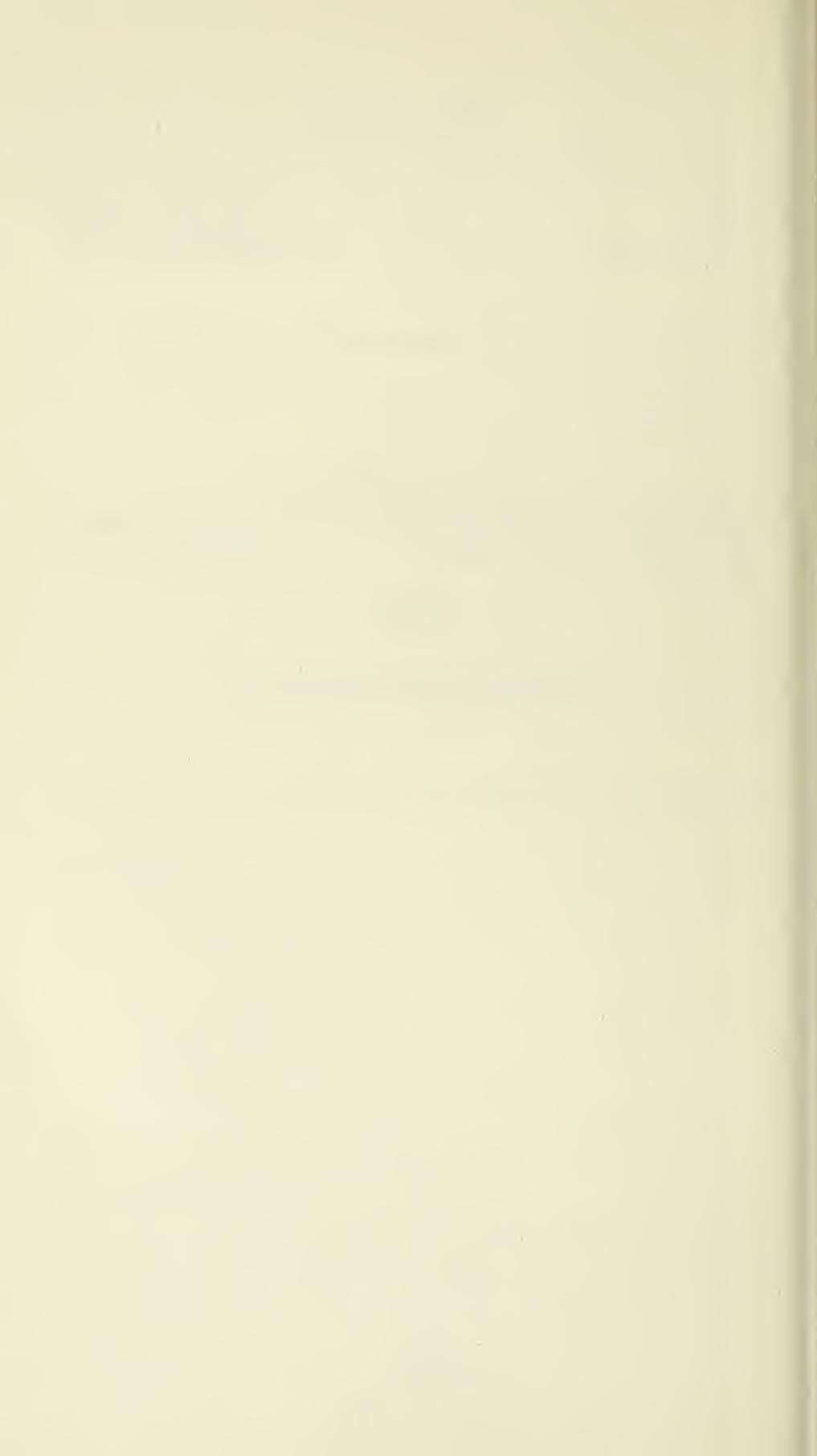
*Religious Adviser to Jewish Students*

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## III

### *Courses of Instruction*

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# Courses of Instruction

1957-1958

a. Freshman courses are numbered 1-20; sophomore courses 21-40; and junior and senior courses 41-80.

b. In general, odd-numbered courses are given in the first semester, and even-numbered courses in the second semester; the letter "S" after a number indicates that the number of the course is an exception to the usual numbering system.

c. Honors courses are offered to eligible juniors and seniors and are numbered 69, 70 and 79, 80 respectively. Election of these courses may be made only by candidates for a degree with honors unless exception is made by the department concerned and by the Dean.

## *Reading Course*

INDEPENDENT READING

*1 to 3 credit hours*

Under the direction and at the discretion of a member of the faculty, the several departments offer an independent reading course which will permit selected upperclassmen to read widely in a field of special interest. The student will be on his own, will pursue an extensive program of independent reading, and will be subject to an examination at the end of the semester. This examination by his supervisor will determine his grade for the course. The number of credit hours will be based on the extent of the reading the student undertakes and the degree of maturity and difficulty of the body of works read and will be determined in advance of the examination.

The student will develop a coherent plan of reading beyond the basic bibliography with which he starts and will be able to follow specialized topics opened up by his general reading.

Interested students should consult with a member of the faculty in the department in which they wish to work. *Elective for Juniors and First Semester Seniors for not more than one semester per year. Offered first and second semesters for juniors and first semester for seniors.*

## *American Studies*

Professors COMMAGER, KAZIN, \* KENNEDY, LATHAM, C. MORGAN, MARX, ROZWENC, TAYLOR, WARNE, and ZIEGLER; Assistant Professors GREENE, GILBERT, and NAGEL; Messrs. HALSEY, HAWKINS, and KATEB.

*Note:* For a major in American Studies: (a) At least two semester courses must be taken from American Studies 43, 44, 45, 47, and at least

\* *Absent on leave first semester.*

two semester courses from American Studies 25, 27, 53, 54, 59, 60, 61, 62, 63, 64, 66, 71, 73. (b) American Studies 72 is required of all majors who are not candidates for honors. (c) Eight semester courses are required for the major, not including American Studies 21, 22. All of these courses may be taken from those listed in (a) and (b) above, but in **special cases** other courses may be counted toward the major, if approved by the Department.

Honors candidates will conform to the requirements for a major indicated above and are required to include among the eight courses counting toward their major, American Studies 79 and 80. In addition, the Department recommends that students intending to do honors work take American Studies 70. In conjunction with American Studies 79 and 80, each candidate will write an original essay on a topic which has been approved by the Department. Early in May of his senior year he will take a comprehensive written and oral examination, the nature of which will be determined by his fields of special concentration.

**21, 22. PROBLEMS IN AMERICAN CIVILIZATION.** Professors COMMAGER, GREENE, GILBERT, NAGEL, MARX, ROZWENC, TAYLOR, WARNE, and ZIEGLER; Messrs. HALSEY, HAWKINS, and KATEB.

A study of selected problems in American civilization. This course does not provide a survey of American history, but centers attention on a limited number of topics which are treated from various viewpoints, including the political, economic, and cultural. Five lectures and one two-hour laboratory period every two weeks. *Required for Sophomores. First and second semesters.*

**24. THE AMERICAN ECONOMY.** Professor NELSON. 4 credit hrs.

(Same course as Economics 24.) *Elective for Sophomores. Second semester.*

**25. AMERICAN CONSTITUTIONAL DEVELOPMENT.** 4 credit hrs.  
Professor LATHAM.

(Same course as Political Science 25.) *Elective for Sophomores. First semester.*

**27. POLITICAL PARTIES.** Mr. MORRISSEY. 4 credit hrs.

(Same course as Political Science 27.) *Elective for Sophomores. First semester.*

**42. LABOR ECONOMICS.** Professor WARNE. 4 credit hrs.

(Same course as Economics 42.) *Elective for Sophomores. Second semester.*

**43. AMERICAN LITERATURE.** Professor MARX. 3 credit hrs.

(Same course as English 43.) *Elective for Juniors. First semester.*

44. AMERICAN LITERATURE. Professor KAZIN. 3 credit hrs.  
(Same course as English 44.) *Elective for Juniors. Second semester.*
- 45S. AMERICAN ART. Professor C. MORGAN. 3 credit hrs.  
(Same course as Fine Arts 45.) *Elective for Juniors. Second semester.*
47. AMERICAN PHILOSOPHY. Professor KENNEDY. 3 credit hrs.  
(Same course as Philosophy 47.) *Elective for Juniors. First semester.*
53. SOCIAL AND INTELLECTUAL HISTORY OF THE UNITED STATES.  
Professor ROZWENC. 4 credit hrs.  
(Same course as History 53.) *Elective for Juniors. First semester. (Omitted 1957-58).*
54. SOCIAL AND INTELLECTUAL HISTORY OF THE UNITED STATES.  
Professor ROZWENC. 4 credit hrs.  
(Same course as History 54.) *Elective for Juniors. Second semester. (Omitted 1957-58).*
55. AMERICAN POLITICAL THEORY. Mr. KATEB. 3 credit hrs.  
(Same course as Political Science 55.) *Elective for Juniors with the consent of the instructor. First semester. (Omitted 1957-58.)*
59. SOCIETY AND POLITICS IN DE TOCQUEVILLE'S AMERICA.  
Professor ROZWENC. 4 credit hrs.  
(Same course as History 59.) *Elective for Juniors. First semester.*
60. SOCIETY AND POLITICS IN THE ERA OF THE NEW DEAL.  
Professor ROZWENC. 4 credit hrs.  
(Same course as History 60.) *Elective for Juniors. Second semester.*
61. FOUNDATIONS OF AMERICAN CIVILIZATION. 4 credit hrs.  
Professor GREENE.  
(Same course as History 61.) *Elective for Juniors. First semester.*
62. AMERICAN DIPLOMATIC HISTORY. Professor GREENE. 3 credit hrs.  
(Same course as History 62.) *Elective for Juniors. Second semester.*
63. AMERICAN ECONOMIC HISTORY. Professor TAYLOR. 4 credit hrs.  
(Same course as Economics 63.) *Elective for Juniors. Limited to 15 students. First semester.*
64. AMERICAN ECONOMIC HISTORY. Professor TAYLOR. 4 credit hrs.  
(Same course as Economics 64.) *Elective for Juniors. Limited to 15 students. Second semester.*

66. SEMINAR ON THE AMERICAN WEST. Professor GREENE. 4 credit hrs.

(Same course as History 66.) Limited to 15 students. Elective for Juniors with the consent of the instructor. Second semester. (Omitted 1957-58.)

70. INTRODUCTION TO HONORS WORK IN AMERICAN CIVILIZATION.

Professors GREENE, ROZWENC and others. 4 credit hrs.

A study of classic writings in diverse areas of American Civilization plus modern works representing problems of methodology in the various disciplines within the American Studies program. One two-hour seminar weekly. Elective for Juniors with the consent of the department. Second semester.

71. THE ORIGINS AND DEVELOPMENT OF AMERICAN NATIONALISM.

Professor COMMAGER. 3 credit hrs.

(Same course as History 71.) Elective for Juniors. First semester.

72. SEMINAR IN AMERICAN CIVILIZATION.

Professor TAYLOR and others. 4 credit hrs.

A study of selected topics in American Civilization including problems of methodology in the various disciplines within the American Studies program. One two-hour seminar weekly. Elective for Seniors with the consent of the instructor. Second Semester.

73. CONFERENCE COURSE IN AMERICAN INTELLECTUAL HISTORY.

Professor COMMAGER. 4 credit hrs.

(Same course as History 73.) Elective for Juniors. First semester. Limited to 15 students.

79. SEMINAR IN AMERICAN CIVILIZATION.

6 credit hrs.

Professors COMMAGER, GREENE, MARX, and ROZWENC.

Honors work in American civilization. One two-hour session weekly. Limited to fifteen students. Elective for Seniors with the consent of the instructor. First semester.

80. HONORS.

6 credit hrs.

*Elective for Seniors. Second semester.*

### *Anthropology*

41. CULTURAL ANTHROPOLOGY. Professor PLOUGH.

3 credit hrs.

A seminar introducing archaeology and the evolution of primitive cultures, including an analysis of some of the classics of anthropological study. Primitive culture patterns in Europe, North America, Asia and Africa are studied in order to understand some of the factors in the dynamics of culture change. Elective for Juniors. Limited to 12 students. First semester.

*Astronomy*

Associate Professor LINNELL

Two alternative programs are available leading to a degree in astronomy. One is the honors program, designed to meet the needs of those students who wish to prepare themselves for graduate work in astronomy or astrophysics, or who wish a combined honors program with mathematics or physics. The other is the departmental major, for the student who wishes to study astronomy largely for its cultural value, but who does not plan graduate study.

Equipment available for thesis work in either program includes an eighteen inch visual refractor, a seven inch visual refractor, a three inch camera, photoelectric photometers, a copy of the Palomar Sky Atlas, and excellent library facilities. Should the needs of the thesis project so dictate, the department may arrange to obtain special materials from other observatories.

**Honors:** By the end of his sophomore year, the student should have completed Astronomy 22, Physics 22, and Mathematics 3. During his junior year, the course elections should include Astronomy 41, Physics 51 and 52, and Mathematics 31 and 32. In his senior year the electives should include Physics 75, Astronomy 42, and Astronomy 79-80. In addition, since graduate schools require a reading knowledge of French and German, the student should plan to elect the 25-26 reading course in one of these languages. Departures from this program may be allowed in special cases.

**Major:** This program requires less extensive training in physics and mathematics and somewhat broader training in astronomy. The major includes the following courses: Astronomy 22, 41, 43, 79-80, Physics 22, 51, and Mathematics 3. The candidate will be expected to complete two projects for the Astronomy 79-80 course. These projects may be either term papers on subjects of interest to the student, or design or use of astronomical equipment. The 79-80 course will receive eight hours total credit for this program.

**22S. DESCRIPTIVE ASTRONOMY.** Professor LINNELL. *4 credit hrs.*

Celestial coordinate systems, time, physical and dynamical properties of the solar system, properties and distances of stars and galaxies, recent cosmological theories.

Four hours of classroom work per week. Occasional laboratories.

Observation with 18 inch refractor.

*Elective for Sophomores. First semester.*

**22. DESCRIPTIVE ASTRONOMY.** Professor LINNELL. *4 credit hrs.*

Same course as 22S. *Elective for Sophomores. Second semester.*

41. PRACTICAL ASTRONOMY. Professor LINNELL. *4 credit hrs.*

Precise observational determination of position and time. Instrumental errors. Stellar parallax and proper motion. Occultations and eclipses. Four hours of classroom work per week. Occasional laboratories. Requisite: Astronomy 22. *Elective for Juniors. First semester.*

42. ASTROPHYSICS. Professor LINNELL. *3 credit hrs.*

Application of the laws of physics to stars and interstellar space. Stellar atmospheres and interiors. Stellar spectra. Gaseous nebulae. Three hours of classroom work per week. Requisite: Physics 22. *Elective for Juniors. Second semester.*

43. READING COURSE. Professor LINNELL. *4 credit hrs.*

This course is for students who do not plan graduate work in astronomy and who desire to study some area of astronomy. The course content may be adjusted to the needs of the individual student. Conference hours arranged individually. Requisite: Astronomy 22. *Elective for Juniors. First semester.*

43S. READING COURSE. Professor LINNELL *4 credit hrs.*

Same course as 43. *Elective for Juniors. Second semester.*

79-80. CONFERENCE COURSES. Professor LINNELL. *6 credit hrs.*

Required of majors and honors students. *Elective for seniors. First and second semesters.*

### *Biology*

Professors KIDDER, PLOUGH, SCHOTTÉ, and WOOD;  
Assistant Professors YOST, ELLIS and HEXTER.

*Note:* A major in biology will consist of at least 24 semester hours in biology together with any 8 semester hours in chemistry. Under certain conditions these specific requirements may be modified with the approval of the department. The course in Evolution of the Earth and Man (Science 23, 24) counts as 4 semester hours, and Science 22 counts as 4 semester hours of biology toward a major.

A chemistry-biology major requires 16 semester hours in each of the departments and must include Chemistry 43-44. Science 21 and Science 22 may be counted as 4 semester hours in chemistry and biology respectively, and Science 23, 24 counts as 4 semester hours in biology.

A psychology-biology major requires at least 16 semester hours in each of the departments. Science 23-24 (one semester credit in biology) and Science 22 may be counted as 4 semester hours each in biology toward this major.

Honors work in biology is intended to offer an introduction to the purposes and methods of biological research. It is an excellent preparation for those students who wish to become professional scientists or who wish to acquire first-hand knowledge of the methods of modern science.

Candidates for the degree with honors in biology must have completed by the beginning of the senior year a minimum of 16 semester hours in biology; sophomore courses may be counted and the course in Evolution of the Earth and Man (Science 23-24) counts as 4 semester hours in biology. Honors candidates must elect Biology 79, 80 and complete by the end of senior year a minimum of 30 semester hours in biology.

The work for honors in biology consists of two main activities: (a) participation in a general and in a specialized seminar course in which the candidate reports on papers from current scientific periodicals; (b) an original investigation under the direction of some member of the staff.

In spring of his senior year the candidate writes a comprehensive examination on the whole field of biology. He also writes a thesis presenting the results of his research and defends his findings orally before the whole Department.

Recommendations for the various grades of honors will be made on the basis of the reports, the comprehensive examination, and the value of the original investigation.

22. Same Course as Science 22. 4 credit hrs.

23, 24. Same Course as Science 23, 24. 4 credit hrs.

25. INVERTEBRATE ZOOLOGY. Professor ELLIS. 4 credit hrs.

Morphology, classification and general physiology of animals, chiefly invertebrates. Special consideration is given to such general phenomena as interrelation of animals with their environment, parasitism, reproduction, development and evolution. Three hours classroom and four hours laboratory or field work per week. *Elective for Sophomores. First semester.*

26. ECOLOGY. Professor HEXTHER. 4 credit hrs.

A study of the interrelation between living organisms and their environment. Topics will include an analysis of the environment; populations; the community; and ecology and evolution. Three hours classroom and four hours laboratory or field work per week. *Elective for Sophomores. Second semester in alternate years. (Omitted 1957-58.)*

28. GENERAL BOTANY. Professor YOST. 4 credit hrs.

The structure, physiology and reproduction of plants. Botanical history, ecological adaption. Three hours classroom and four hours laboratory work or field work per week. *Elective for Sophomores. Second semester.*

41. COMPARATIVE ANATOMY. Professor WOOD. *4 credit hrs.*

A study of the anatomy of vertebrates and a review of vertebrate evolution. Three hours classroom and four hours laboratory work per week. Requisite: One semester of biology. *Elective for Juniors. First semester.*

42. EMBRYOLOGY. Professor SCHOTTE. *4 credit hrs.*

A description of developmental processes in the vertebrates, with an introduction to the physiology of development. Four hours classroom and two hours laboratory work per week. Requisite: One semester of biology. *Elective for Juniors. Second semester.*

43. GENETICS. Professor HEXTER. *4 credit hrs.*

The general principles and techniques of heredity, and their bearings on reproduction and the determination of sex. Breeding experiments in the laboratory. Three hours classroom and four hours laboratory work per week. Requisite: One semester of biology. *Elective for Juniors. First semester.*

45. CYTOLOGY AND HISTOLOGY. Professors SCHOTTE and YOST. *4 credit hrs.*

A detailed study of modern aspects of finer structures of the cell with special reference to both the cytoplasmic and nuclear mechanisms of reproduction. The second part of the course centers around cellular differentiation and organization into tissues and organs (general histology). The laboratory exercises deal with cytological methods and fundamental histological techniques. Four hours of lectures and one laboratory session a week. Requisite: One semester of biology. *Elective for Juniors. First semester. (Omitted 1957-58.)*

46. HUMAN GENETICS. Professor HEXTER. *3 credit hrs.*

A survey of heredity in man with special emphasis on the methods of human genetics. The application of these findings to problems of sex-determination, eugenics, the role of environment, and the significance of race will be discussed from the point of view of both the individual and the population. Three hours classroom work per week. No requisite. (Not counted toward the major in Biology) *Elective for Juniors. Second semester in alternate years.*

47. EXPERIMENTAL MORPHOLOGY. Professor SCHOTTE. *4 credit hrs.*

An experimental analysis of the problems of differentiation of form and structure, including the physiology of embryonic development and the role of hormones in growth, in morphogenesis and in regeneration. Three hours classroom and four hours laboratory per week. Requisite: One semester in Biology. *Elective for Juniors. First semester.*

51. BIOCHEMISTRY. Professor KIDDER. *4 credit hrs.*

A study of the fundamental chemical processes of living matter. Three hours classroom and four hours laboratory work per week. Requisite: One semester of biology and organic chemistry (which may be taken concurrently). *Elective for Juniors. First semester.*

53. CELLULAR PHYSIOLOGY. Professor YOST. *4 credit hrs.*

A study of cellular function in relation to structure, with special emphasis on membranes and enzymes. Three hours classroom and four hours laboratory work per week. *Elective for Juniors. First semester.*

54. BACTERIOLOGY. Professor PLOUGH. *4 credit hrs.*

A study of the bacteria, yeasts and molds, their physiological activities and genetic relationships. Three hours classroom and four hours laboratory work per week. Requisite: Two semesters in biology and one course in chemistry. *Elective for Juniors. Second semester.*

56. VERTEBRATE PALEONTOLOGY. Professor WOOD. *4 credit hrs.*

The evolution of vertebrates as shown by the study of fossils, and the relationship of environment to evolution. Three hours classroom and four hours laboratory work per week. (Same course as Geology 56.) Requisite: Geology 22 or Biology 41. *Elective for Juniors. Second semester.*

71. BIOLOGY OF VIRUSES. Professor PLOUGH. *3 credit hrs.*

A seminar review of some recent studies of viruses with special reference to the mode of virus multiplication. Laboratory studies of bacterial viruses or bacteriophage. Requisite: Two semester courses in biology. *Elective for Seniors with the consent of the instructor. First semester.*

## 79, 80. SEMINAR IN BIOLOGY. The Staff.

*4 credit hrs. first semester, 6 credit hrs. second semester.*

The classwork consists of oral summaries and reports on problems of current biological interest. In addition, each student will carry on an individual investigation under some member of the staff. The course is designed for honors candidates, but is open to other advanced students with the consent of the Department. Requisite: Four semester courses in biology. *Elective for Seniors. First and second semesters.*

### *Chemistry*

Professors BEEBE, GRAHAME, and WHITNEY;

Assistant Professors ROBISON and SCOTT, and Mr. WILSON.

Candidates for the degree with honors in chemistry will attend the chemistry seminar during their junior and senior years, participating in

it actively in the senior year. At this seminar, discussions of topics of current interest will be conducted by staff members and by students.

In the senior year, candidates will normally enroll in Chemistry 71 or 73, and in Chemistry 80. Individual laboratory problems will be selected by the student in conference with some member of the Department. These may be advanced types of inorganic or organic syntheses, physico-chemical experiments or analyses, or problems for original investigation. Each candidate will write a thesis based upon his laboratory work. He will take a comprehensive examination during the spring term of his senior year. Recommendations for the various degrees of honors will be made by the department on the basis of the thesis work and the comprehensive examination.

The program for the bachelor's degree with a major in chemistry, as approved by the American Chemical Society, includes Chemistry 41, 42, 43, 44, 47, 48, 50, 71 or 73, 80, and their prerequisites, a reading knowledge of German, one or two semesters of physics beyond the Science 1-2 course, Mathematics 3 and preferably Mathematics 23 or 31-32.

*Notes:*

A chemistry-biology major requires sixteen semester hours in each of the two departments, and must include Chemistry 43-44. Science 21 and Science 22 may be counted as semester courses in chemistry and biology respectively.

21. Same Course as Science 21. 4 credit hrs.

Professors BEEBE, ROBISON, and SCOTT, and Mr. WILSON.

24. INORGANIC AND ANALYTICAL CHEMISTRY. 4 credit hrs.

Professors BEEBE and SCOTT, and Mr. WILSON.

A study of the chemistry of inorganic substances with special emphasis on ionic equilibria as met in qualitative analysis. Three hours classroom and four hours laboratory work per week. Requisite: Science 21. *Elective for Sophomores. Second semester.*

41. PHYSICAL CHEMISTRY. Professor GRAHAME. 4 credit hrs.

A study of the fundamentals of theoretical chemistry. Three hours classroom and four hours laboratory work per week. Requisite: Chemistry 24, and Mathematics 3. *Elective for Juniors with the consent of the instructor. First semester.*

42. PHYSICAL CHEMISTRY. Professor GRAHAME. 4 credit hrs.

A continuation of Chemistry 41. Requisite: Chemistry 41. *Elective for Juniors. Second semester.*

## 43. ORGANIC CHEMISTRY.

4 credit hrs.

Professors WHITNEY and ROBISON.

General theory of organic chemistry, preparation of typical organic compounds, and introduction to organic qualitative analysis. The chemistry of the most important functional groups only is studied in this course. Three hours classroom and four hours laboratory work per week. Requisite: Chemistry 24. *Elective for Juniors. First semester.*

## 44. ORGANIC CHEMISTRY.

4 credit hrs.

Professors WHITNEY and ROBISON.

A continuation of Chemistry 43. Requisite: Chemistry 43. *Elective for Juniors. Second semester.*

## 47. QUANTITATIVE ANALYSIS. Professor SCOTT.

3 credit hrs.

The quantitative analysis of inorganic substances with emphasis on volumetric methods. Principles of elementary physical chemistry will be considered and applied. Two hours classroom and four hours laboratory work per week. Requisite: Chemistry 24. *Elective for Juniors. First semester.*

## 48. QUANTITATIVE ANALYSIS. Professor SCOTT.

2 credit hrs.

A continuation of Chemistry 47. Requisite: Chemistry 47. *Elective for Juniors. Second semester.*

## 50. ADVANCED INORGANIC CHEMISTRY.

2 credit hrs.

Professors ROBISON and SCOTT.

Two hours classroom work per week. Requisite: Chemistry 24. *Elective for Juniors. Second semester.*

## 71. ADVANCED PHYSICAL CHEMISTRY. Professor GRAHAME.

3 credit hrs.

A discussion of selected topics in physical chemistry from the fields of thermodynamics, quantum mechanics, and the nature of the chemical bond. Three class hours per week. Requisite: Chemistry 42. *Elective for Seniors. First semester.*

## 73. QUALITATIVE ORGANIC CHEMISTRY. Professor ROBISON.

4 credit hrs.

A continuation of the study of organic chemistry, with emphasis on the laboratory identification and characterization of organic compounds. Two hours classroom and six hours laboratory work per week. Requisite: Chemistry 44. *Elective for Seniors, with the consent of the Instructor. First semester.*

## 79-80. HONORS COURSE. The Department.

6 credit hrs.

*Elective for honors candidates, and for others with the consent of the Department. Second semester.*

*Classics*

Associate Professors CLAUSEN,\* KERN and MOORE;  
Assistant Professor GOULD.†

*Note:* All courses offered by the Department which are numbered 4 or higher may be used to satisfy the sophomore humanities requirement.

All courses offered by the Department may be counted toward a major except those numbered 1 and 2. A major may be entirely in Greek or entirely in Latin and will then consist of eight semester courses, two of which may be in related fields. A major in Classics will consist of eight semester courses in the Classics, which may be divided in any proportion between Greek and Latin, except that not less than two may be taken in either language.

Honors may be awarded to those candidates who major in Greek or in Latin or in Classics and who take eight semester courses in the Department. Every honors candidate must include in his program those courses numbered 41, 42, 79 and 80 in either Greek or Latin. He must submit a long essay (6000-7000 words) on some topic connected with his honors work and approved by the Department. He must have read extensively in Greek or Latin literature or both. He must also read independently, i.e., not as a part of the work in a course, approximately 50 pages of some Greek or Latin text selected with the approval of the Department. Early in May he will be given a written examination covering: a) his honors work; b) his reading in the Classical literatures. The emphasis in this examination will be on the literary and historical interpretation of major authors; there will be considerable latitude of choice between various optional questions. The award of honors will be determined by the quality of the candidate's work in his courses, of his essay, and of his performance in the general examination.

The Department will cooperate with other departments in giving combined majors with honors.

The statement of requisites given below is intended only to indicate the degree of preparation necessary for each course, and exceptions will be made in special cases.

23. CLASSICAL CIVILIZATION. Professor MOORE.

*3 credit hrs.*

(Same course as History 23.) A study of the civilization of Greece from Homer to Alexander and its contribution to the civilization of the West. Readings from Greek literature will be included among the materials of the course. No knowledge of the ancient languages is required. Three hours of classroom work per week. *Elective for Sophomores. First semester.*

\* *Absent on leave first semester.*  
† *Absent on leave second semester.*

**24. CLASSICAL CIVILIZATION.** Professor CLAUSEN. *3 credit hrs.*

(Same course as History 24.) A study of Roman civilization and its contribution to the civilization of the West. Readings from Latin literature will be included among the materials of the course. No knowledge of the ancient languages is required. Three hours of classroom work per week. *Elective for Sophomores. Second semester.*

**53. PLATO AND ARISTOTLE.** Professor GOULD. *4 credit hrs.*

(Same course as Philosophy 53.) Several major works by each of these philosophers will be read in their entirety and discussed in class. The chief aim of the course will be to achieve a comprehension of the major philosophical positions of these writers, though some attention will also be paid to the historical development, the antecedents, and the subsequent influence of their ideas. All readings will be in English. Three class hours per week. *Elective for Juniors. Limited to twenty-five students. First semester.*

*Greek***1. INTRODUCTION TO THE GREEK LANGUAGE.** *4 credit hrs.*

Professor GOULD.

Five class meetings per week. *Elective for Freshmen. First semester.*

**2. INTRODUCTION TO GREEK LITERATURE.** *4 credit hrs.*

Professor KERN.

**Requisite:** Greek 1 or its equivalent. Five class meetings per week. *Elective for Freshmen. Second semester.*

**3. THE ILIAD.** Professor MOORE. *4 credit hrs.*

**Requisite:** Greek 1 and 2 or their equivalent. Five class meetings per week. *Elective for Freshmen. First semester.*

**4. THE ODYSSEY; THE LYRIC POETS.** Professor CLAUSEN. *4 credit hrs.*

**Requisite:** Greek 3 or its equivalent. Three class meetings per week. *Elective for Freshmen; quasi seminar course, limited to twenty-five students. Second semester.*

**5. PLATO'S *Apology*; A PLAY OF EURIPIDES.** Professor MOORE. *4 credit hrs.*

**Requisite:** Greek 3 or its equivalent. Three class meetings per week. *Elective for Freshmen; quasi seminar course, limited to twenty-five students. First semester.*

**6. GREEK TRAGEDY.** Professor MOORE. *4 credit hrs.*

**Requisite:** Greek 3 or its equivalent. Three class meetings per week.

*Elective for Freshmen; quasi seminar course, limited to twenty-five students. Second semester.*

21. **READINGS IN GREEK LITERATURE OF THE FIFTH CENTURY.** *4 credit hrs.*  
Professor KERN.

*Requisite: Greek 5 or 6. Elective for Sophomores; quasi seminar course, limited to twenty-five students. First semester.*

22. **READINGS IN GREEK LITERATURE OF THE FIFTH CENTURY.** *4 credit hrs.*  
Professor CLAUSEN.

*Requisite: Greek 5 or 6. Three class meetings per week. Elective for Sophomores; quasi seminar course, limited to twenty-five students. Second semester.*

- 41, 42. **ADVANCED READINGS IN GREEK LITERATURE.** *4 credit hrs.*

The authors read in these courses vary from year to year, the selection being made according to the interests and needs of the students. Examples: Plato's Republic and Aristotle's Ethics; Pindar, Bacchylides, and Theocritus; Demosthenes and Thucydides; the Greek novelists. *Requisite: Greek 6. Seminar course; elective for Juniors. First and second semesters. (Omitted 1957-58.)*

- 79, 80. **SENIOR HONORS COURSE.** *6 credit hrs.*

### *Latin*

1. **INTRODUCTORY COURSE.** Professor GOULD. *4 credit hrs.*

*A rapid introduction to the Latin language, leading directly into Latin 4. Five class meetings per week. Elective for Freshmen. First semester. This course may be taken only with the consent of the Department.*

3. **INTERMEDIATE COURSE.** Professor KERN. *4 credit hrs.*

*Review of Latin grammar; selections from *Viri Romae* and Cicero's Orations. Requisite: Latin 1-2, or two or three entrance units in Latin. Five class meetings per week. Elective for Freshmen. First semester.*

4. **VIRGIL'S AENEID.** Professor MOORE. *4 credit hrs.*

*At least three books will be read in Latin with close attention to the text, and the whole poem will be studied in translation. The emphasis of the course will be on Virgil's poem as a work of literature and as an expression of classical civilization. Requisite: Latin 3, or three entrance units in Latin. Three class meetings per week. Elective for Freshmen; quasi seminar course, limited to twenty-five students. Second semester.*

## 5. CICERO'S DE SENECTUTE; AND SELECTIONS FROM CATULLUS.

Professor KERN.

4 credit hrs.

Attention will be given to Cicero and Catullus as literary artists, and as interpreters of the society of the late Republic. Requisite: Latin 4, or four entrance units in Latin. Three class meetings per week. *Elective for Freshmen; quasi seminar course, limited to twenty-five students. First semester.*

## 6. HORACE'S ODES, AND SELECTIONS FROM PLINY'S LETTERS.

Professor KERN.

4 credit hrs.

Requisite: Latin 4 or 5, or four entrance units in Latin. Three class meetings per week. *Elective for Freshmen; quasi seminar course, limited to twenty-five students. Second semester.*

## 21. LUCRETIUS. Professor HUMPHRIES.

4 credit hrs.

A large part of the *De rerum natura* will be read. Consideration will be given to the philosophical tradition and to the development of Latin poetic style. Requisite: Latin 5 or 6. Three class meetings per week. *Elective for Sophomores; quasi seminar course, limited to twenty-five students. First semester.*

## 22. TACITUS. Professor KERN.

3 credit hrs.

Requisite: Latin 5, 6, or 21. Three class meetings per week. *Elective for Sophomores. Second semester.*

## 27. LATIN POETRY: LYRIC AND PASTORAL.

2 credit hrs.

Professors MOORE and GOULD.

(Same course as English 27.)

Intended for students of literature who wish to acquire some knowledge of the tradition of Latin poetry. Poems of Catullus, Horace, and Virgil will be read and interpreted from a literary point of view, and attention will be paid to similar poems in English. Students must have some knowledge of Latin and some familiarity with poetry. Two hours of classroom work per week. *Elective for Sophomores. First semester.*

## 41, 42. ADVANCED READINGS IN LATIN LITERATURE.

4 credit hrs.

Professors CLAUSEN and KERN.

The authors read in these courses vary from year to year, each course giving a survey of one field of Latin literature; e.g., Roman Satire, Roman Philosophy, Roman Law, Late Latin, Roman Drama, etc. Requisite: Latin 21 or 22. Three class meetings per week. *Elective for Juniors; seminar course. First and second semesters.*

## 79, 80. SENIOR HONORS COURSE.

6 credit hrs.

### *Dramatic Arts*

Associate Professors McGOUN and ROGERS;  
Assistant Professor BOUGHTON.

*Note. Majors:* Students majoring in Dramatic Arts must complete Dramatic Arts 23, 25, 26, 43, 44, 45, and 79, 80.

Courses in other departments recommended for major students: English 25, 26, 41; Fine Arts 23, 24, 25; French 18, 29, 43, 44; Music 46.

*Honors:* Honors projects may be developed in consultation with members of the department.

Dramatics 23 or 23S may be used in satisfaction of the sophomore humanities requirement and, in general, is prerequisite for all other courses in the department.

**23. INTRODUCTION TO THE THEATER ARTS.** *3 credit hrs.*

Professors BOUGHTON, McGOUN and ROGERS.

A consideration of the materials of creative expression in drama. An investigation into the arts of the theater. Three hours of classroom work per week. *Elective for Sophomores. First semester.*

**23S. INTRODUCTION TO THE THEATER ARTS.**

Same as Dramatic Arts 23. *Second semester.*

**25. BACKGROUNDS OF THE MODERN DRAMA.** *3 credit hrs.*

Professor BOUGHTON.

The origins and development of the drama from the Greeks to the well-made play of the 19th century. Requisite: Dramatic Arts 23 or the permission of the instructor. Three hours of classroom work per week. *Elective for Sophomores. First semester.*

**26. MODERN DRAMA.** *3 credit hrs.*

Professor BOUGHTON.

Major dramatists from Ibsen to the present. Three hours of classroom work per week. Requisite: Dramatic Arts 23 or the approval of the instructor. *Elective for Sophomores. Second semester.*

**43. PRINCIPLES OF DRAMATIC PRODUCTION.** *3 credit hrs.*

Professors BOUGHTON, McGOUN, and ROGERS.

A study of directing, scene design and stage lighting considered as instruments of dramatic interpretation. Both Dramatic Arts 43 and 44 must be completed to secure credit for Dramatic Arts 43. Requisite: Dramatic Arts 23. Three hours classroom work per week. *Elective for Juniors. First semester.*

44. PRINCIPLES OF DRAMATIC PRODUCTION. *3 credit hrs.*  
Professors BOUGHTON, McGOUN, and ROGERS.

Continuation of Dramatic Arts 43. Requisite: Dramatic Arts 43. Three hours of classroom work per week. *Elective for Juniors. Second semester.*

45. THEATER HISTORY. Professor McGOUN. *3 credit hrs.*

An analysis of theatrical production from the 5th Century B.C. to modern times with emphasis on the relation of art forms to the theater. Requisite: Dramatic Arts 23 or the approval of the instructor. *Elective for Juniors. First semester.*

79. CONFERENCE COURSE. The Department. *4 to 8 credit hrs.*

Advanced work in one or two of the following fields of Dramatic Arts: Theater History, Playwriting, Directing, Scene Design, Stage Lighting. Projects for honors may be undertaken in connection with this course. *Elective for Seniors with the consent of the Department. First semester.*

80. CONFERENCE COURSE. The Department. *4 to 8 credit hrs.*

Continuation of Dramatic Arts 79. *Elective for Seniors with the consent of the Department. Second semester.*

## *Economics*

Professors NELSON, ROSS, TAYLOR, THORP, and WARNE;  
Assistant Professors COLLERY, HAY, JUSTER, \* and NEUBERGER

The following courses are required for a major in Economics:

Rite Students: Economics 21, 73, 74.

Honors Students: Economics 21, 70, 79, 80.

Candidates for the degree with honors in economics will determine their class programs in consultation with the Department. Each candidate must attend the honors seminars conducted as a part of Economics 79-80 and prepare a thesis on a subject approved by the Department. Each candidate for honors will be examined by the Department on his work in Economics, and on the contents of his thesis, at the close of his senior year.

18. INTRODUCTION TO THE ANALYSIS OF ECONOMIC PROBLEMS. *1 credit hr.*

Professor TAYLOR.

A course designed to acquaint the student with the major approaches of economists to questions of economic policy and analysis. Primarily

\* *Absent on leave, 1957-58.*

offered for those who do not plan to major in economics, this course is open only to those students who have not enrolled in Economics 21.

*Elective for Juniors. Second semester.*

**21. AN INTRODUCTION TO ECONOMICS.**

*4 credit hrs.*

Professors NELSON, COLLERY, NEUBERGER, and HAY.

A study of the central functions and problems of an economic system, of the principles and practices of our own economy, and of other forms of economic organizations and control. One lecture and three hours of discussion each week. Requisite or corequisite for all other courses in economics, except Economics 18. *Elective for Sophomores. First semester.*

**21S. AN INTRODUCTION TO ECONOMICS.**

*4 credit hrs.*

Professors THORP, NEUBERGER, and HAY.

Same description as above. *Elective for Freshmen. Second semester.*

**24. THE AMERICAN ECONOMY.**

*4 credit hrs.*

Professor NELSON.

An examination of the structure and operation of the economic system of the United States, with particular emphasis upon the different types of markets and industrial structures, the role and behavior of the price mechanism, the evolution of public policies, and selected current economic issues. Two lectures and two hours of discussion each week. Requisite or corequisite: Economics 21. *Elective for Sophomores. Second semester.*

**25S. NATIONAL INCOME AND WEALTH.**

*4 credit hrs.*

Professor HAY.

An examination of the factors that influence the level of national income and employment; the determinants of international differences in income and wealth. Special emphasis will be placed on the role of public policies as they affect the magnitude and composition of the national income. Requisite or corequisite: Economics 21. *Elective for Sophomores. Second semester.*

**41. COMPARATIVE ECONOMIC SYSTEMS.** Professor WARNE.

*4 credit hrs.*

A study and comparison of the principal types of economic systems with special emphasis upon the position of labor in each. Requisite or corequisite: Economics 21. Four lectures each week. *Elective for Sophomores. First semester.*

**42. LABOR ECONOMICS.** Professor WARNE.

*4 credit hrs.*

A survey of the position of labor in our modern economy and of the development and status of labor legislation and social security measures.

Three lectures and one hour of discussion each week. Requisite or corequisite: Economics 21. *Elective for Sophomores. Second semester.*

**43. MONEY AND BANKING.** Professors COLLERY and HAY. *4 credit hrs.*

A study of money and finance and their relation to the functioning of an economic system, with special emphasis on the effects of monetary and credit policy on employment, production, and prices. Two lectures and two hours of discussion each week. Requisite or corequisite: Economics 21. *Elective for Sophomores. First Semester.*

**45. ECONOMIC STATISTICS.** Professor Ross. *4 credit hrs.*

A study of the sources of quantitative economic data, with special emphasis on the application of statistical methods to economic problems. Three lectures and two hours laboratory work each week. Requisite: Economics 21. *Elective for Juniors; limited to twenty-five students. First semester.*

**46. ACCOUNTING.** Professors ROSS AND COLLERY. *4 credit hrs.*

A study of the principles of accounting as related to economic analysis. Attention will be given to the use of accounts by persons and corporations and the application of accounting techniques to the study of national wealth and income. Four hours of classroom work per week. Requisite: Economics 21. *Elective for Juniors; two sections, limited to twenty-five students. Second semester.*

**50. HISTORY OF ECONOMIC THOUGHT.** Professor NEUBERGER. *4 credit hrs.*

A study of the development of economic thought as reflected in the writings of a limited number of authors, chiefly British and American. Attention will be given to both the classical and the dissenting schools. The writings of such men as Smith, Ricardo, J. S. Mill, Jevons, Marshall, Raymond, Henry C. Carey, J. B. Clark, and Veblen will be studied. One two-hour seminar each week. Requisite: Economics 21. *Elective for Juniors; limited to fifteen students. Second semester.*

**51. MONOPOLY REGULATION.** Professor NELSON. *3 or 4 credit hrs.*

The theory of monopoly pricing and of price discrimination; objectives and methods of public control of prices, profits, and service by public utilities and transportation agencies. Requisite: Economics 21. *Elective for Juniors. First semester.*

**54. INTERNATIONAL ECONOMIC POLICY.** Professor THORP. *4 credit hrs.*

An examination into the nature of commercial, monetary, investment, and other economic problems which appear when public or private interest extends across national boundary lines, and the principles and pressures which affect their solution, with particular reference to recent Amer-

ican experience. Three hours of classroom work per week. Requisite: Economics 21. *Elective for Juniors. Second semester.*

63, 64. AMERICAN ECONOMIC HISTORY. Professor TAYLOR. 4 credit hrs.

A study of economic history of the U.S., with emphasis on historical aspects of economic development. The first semester will cover the period prior to the Civil War; the second will cover from the Civil War to date. Students may take either or both semesters. One two-hour seminar each week. Requisite: Economics 21. *Preference will be given students who have had History 53-54 or History 59-60. Elective for Juniors; limited to fifteen students.*

70. JUNIOR HONORS. Professor COLLERY. 4 credit hrs.

A study of the more important analytical methods and conclusions of modern economics, with special reference to their application to economic research. Requisite: Economics 21. *Required of and limited to Junior Honors students. Second semester.*

73, 74. SENIOR RITE SEMINAR. 4 credit hrs.

The Department.

*Limited to and required of all Seniors majoring in Economics who are not candidates for Honors, First and Second semester.*

79. ECONOMICS HONORS. The Department. 6 credit hrs.

*First semester.*

80. ECONOMICS HONORS. The Department. 6 credit hrs.

*Second semester.*

## Education

Professor KENNEDY; Associate Professor GROSE and Assistant Professor BIRNEY.

24S. DEVELOPMENTAL PSYCHOLOGY. Professor BIRNEY. 3 credit hrs.

(Same course as Psychology 24S.) Requisite: Psychology 21. *Elective for Juniors. First semester.*

41. PHILOSOPHY OF EDUCATION. Professor KENNEDY. 3 credit hrs.

(Same course as Philosophy 41. Given in alternate years.) *Elective for Juniors. First semester. (Omitted 1957-58.)*

42S. EDUCATIONAL PSYCHOLOGY. Professor GROSE. 3 credit hrs.

(Same course as Psychology 42S.) Requisite: Psychology 21. *Elective for Juniors with consent of the Instructor; limited to fifteen students. First semester.*

44. PSYCHOLOGICAL TESTS AND MEASUREMENTS. *3 credit hrs.*  
Professor GROSE.

(Same course as Psychology 44.) Requisite: Psychology 21. *Elective for Juniors. Second semester.*

## *English*

Professors BAIRD, BARBER, CRAIG, HUMPHRIES, KAZIN,\* and McKEON;  
Associate Professors DEMOTT, and MARX;  
Messrs. BUTLER, HEATH, HOGAN, JORDAN, REVARD, and SALE.

*Note:* All English majors are required to elect English 21-22, English 63-64, and six other semester courses, exclusive of English 1-2, offered or approved by the English Department.

Candidates for honors in English are required to complete the following courses: English 21-22, English 25-26, English 41 or 42, English 49, English 63-64, English 70, and English 79-80. Qualified candidates should in their senior year elect English 79-80.

1. COMPOSITION. *2 credit hrs.*  
Professors BAIRD (Chairman), CRAIG, and DEMOTT, and Messrs. BUTLER, HEATH, HOGAN, JORDAN, REVARD, and SALE.

Three hours of classroom work per week. *Required for Freshmen. First semester.*

2. COMPOSITION. *2 credit hrs.*  
Professors BAIRD (Chairman), and DEMOTT, and Messrs. BUTLER, HEATH, HOGAN, JORDAN, REVARD, and SALE.

Two hours of classroom work per week. Requisite: English 1. *Required for Freshmen. Second semester.*

21. INTRODUCTION TO LITERATURE. *3 credit hrs.*  
Professors BARBER (Chairman) and DEMOTT, and Messrs. BUTLER, HEATH, HOGAN, JORDAN, REVARD, and SALE.

The aim of this course is to teach critical reading of literature. The material read in any one year is limited to a small number of works of prose and poetry. Required for a major in English. Alternate course in Humanities Sequence. Three hours of classroom work per week. *Elective for Sophomores. First semester.*

\* Absent on leave first semester.

22. INTRODUCTION TO LITERATURE. *3 credit hrs.*  
Professor BARBER (Chairman), and Messrs. BUTLER, HEATH, HOGAN, JORDAN, REWARD, and SALE.  
A continuation of English 21. Requisite: English 21. Three hours of classroom work per week. *Elective for Sophomores. Second semester.*
23. ADVANCED COMPOSITION. Professor HUMPHRIES. *4 credit hrs.*  
A course in disciplined writing, both prose and verse. Students are expected to work independently without specific assignments. Class discussions of manuscripts and frequent conferences with the instructor. One two-hour meeting per week. *Elective for Sophomores with the consent of the instructor; limited to fifteen students. First semester.*
24. ADVANCED COMPOSITION. Professor HUMPHRIES. *4 credit hrs.*  
A continuation of English 23. One two-hour meeting per week. *Elective for Sophomores with the consent of the instructor; limited to fifteen students. Second semester.*
25. SHAKESPEARE. Professor BAIRD. *3 credit hrs.*  
A reading of all the plays. Emphasis on Shakespeare's development as dramatist and poet. Requisite: A grade of B in a previous English course. Alternate course in Humanities Sequence. Three hours of classroom work per week. *Elective for Sophomores. First semester.*
26. SHAKESPEARE. Professor BAIRD. *3 credit hrs.*  
A continuation of English 25. Requisite: English 25. Three hours of classroom work per week. *Elective for Sophomores. Second semester.*
27. LATIN POETRY: LYRIC AND PASTORAL. *2 credit hrs.*  
Professors MOORE and GOULD.  
(Same course as Latin 27.) *Elective for Sophomores. First semester.*
41. THE RENAISSANCE: THE SIXTEENTH CENTURY *4 credit hrs.*  
Professor DEMOTT.  
A study of Spenser and the major Elizabethan dramatists, and their relation to social and religious assumptions in popular and devotional literature. Three meetings per week. *Elective for Juniors; limited to twenty-five students. First semester.*
42. THE RENAISSANCE: THE SEVENTEENTH CENTURY. *4 credit hrs.*  
Professor DEMOTT.  
A study of the poetry of Milton and of the Metaphysical Poets in relation to some religious and philosophic assumptions of the seventeenth-

century writer. Three meetings per week. *Elective for Juniors; limited to twenty-five students. Second semester.*

**43. AMERICAN LITERATURE.** Professor MARX. *3 credit hrs.*

A survey of American Literature from the seventeenth century to 1900 with emphasis on major figures. Three hours of classroom work per week. *Elective for Juniors.*

**44. AMERICAN LITERATURE.** Professor KAZIN. *3 credit hrs.*

A continuation of English 43. Three hours of classroom work per week. *Elective for Juniors. Second semester.*

**45. THE NINETEENTH CENTURY ENGLISH NOVEL.** *3 credit hrs.*

Professor CRAIG.

A study of representative works, with attention both to their literary structure and their relation to social history. Three hours of classroom work per week. *Elective for Juniors. First semester.*

**47. READINGS IN NINETEENTH CENTURY POETRY.** *3 credit hrs.*

Study of major figures from Tennyson to early Yeats. Three hours of classroom work per week. *Elective for Juniors. First semester. (Omitted 1957-58.)*

**49. CHAUCER.** Mr. JORDAN. *4 credit hrs.*

Chaucer's major works in the original. Four hours of classroom work per week. *Elective for Juniors, and for Sophomores who have a grade of "B" in English and who plan to become candidates for the degree with honors in English. Limited to twenty-five students. First semester.*

**50. THE CLOSE OF THE MIDDLE AGES: THE 14TH AND 15TH CENTURIES** *3 credit hrs.*  
Mr. JORDAN.

A study of themes and forms of chivalry and religion in major works of prose, verse, and drama. Three hours of classroom work per week. Requisite: English 49 or the consent of the instructor. *Second semester.*

**51. YEATS AND JOYCE.** Professor BARBER. *3 credit hrs.*

A study of the work of W. B. Yeats and James Joyce in relation to the development of culture in the first part of the twentieth century. *Elective for Juniors. First semester.*

**52. READINGS IN TWENTIETH CENTURY POETRY.** *3 credit hrs.*  
Professor BARBER.

A study of the poetry and criticism of a few major poets, with supplementary reading to illustrate the situations in which they worked. Regu-

larly scheduled hours will be devoted to reading aloud and listening to recorded readings in small discussion groups. *Elective for Juniors. Second semester.*

53. LITERATURE AND SOCIETY, 1660-1740. 3 credit hrs.  
Professor DEMOTT.

A study of the prose and poetry of the Restoration and earlier eighteenth century. Principal authors will be Dryden, Swift, and Pope; some attention will be paid to lesser figures. *Elective for Juniors. First semester.* (Omitted 1957-58.)

55. READINGS IN AUTOBIOGRAPHY. Mr. BUTLER. 3 credit hrs.

An examination of various autobiographical works, from St. Augustine to Collingwood, both as signs of the age in which they were written and as literary art. Three hours of classroom work per week. *Elective for Juniors. First semester.* (Omitted 1957-58.)

56. READINGS IN EIGHTEENTH CENTURY LITERATURE. 3 credit hrs.  
Professor BAIRD.

Three hours of classroom work per week. *Elective for Juniors. Second semester.* (Omitted 1957-58.)

57. READINGS IN THE ROMANTIC MOVEMENT. Mr. BUTLER. 3 credit hrs.

Study of major figures from Wordsworth to Keats. Three hours of classroom work per week. *Elective for Juniors. First semester.*

62. READINGS IN MODERN FICTION. Professor BAIRD. 3 credit hrs.

A study of some novels written in the twentieth century and a consideration of the novelist's position in modern society. Three hours of classroom work per week. *Elective for Juniors. Second semester.*

63. HISTORY OF ENGLISH LITERATURE. Professor CRAIG. 3 credit hrs.

Readings in selected major works to determine the main periods and continuities of English literature from the late eighteenth century to the early twentieth. *Elective for Juniors. First semester.*

64. HISTORY OF ENGLISH LITERATURE. Professor CRAIG. 3 credit hrs.

Readings in selected major works to determine the main periods and continuities of English literature from the late eighteenth century to the early twentieth. Requisite: English 63. *Elective for Juniors. Second semester.*

70. AN INTRODUCTION TO LITERARY SCHOLARSHIP. 3 credit hrs.  
Professor CRAIG.

A study of the characteristics of literary knowledge as defined in the theory and practice of selected major critics and scholars. One two-hour

meeting per week. *Required for Junior Honors candidates in English. Others require permission of the instructor. Second semester.*

79-80. CONFERENCE COURSE. The Department. *6 credit hrs.*  
*Elective for Seniors.*

### *Fine Arts*

Professor C. MORGAN; Associate Professor ROGERS;  
Assistant Professors DARR\* and TRAPP; Mr. LOCKWOOD

*Note:* A major in fine arts consists of six semester courses in the department, including Fine Arts 23-24 and Fine Arts 25, and two semester courses in allied fields. Honors in fine arts will include the foregoing with the addition of Fine Arts 79-80. Fine Arts 25 is normally the prerequisite for all advanced courses in the historical aspect of the subject except for Fine Arts 42; and Fine Arts 23-24 is normally the prerequisite for all advanced courses in the technical aspect of the field.

Fine Arts 21-22 and Fine Arts 25 or 25S may be used in satisfying the Sophomore humanities requirement.

23. ELEMENTARY TECHNIQUE AND DESIGN. *3 credit hrs.*  
Professor ROGERS.

Design, composition and line and form drawing in pencil, charcoal, crayon, pen and ink, and chalk. One lecture and two two-hour laboratory periods per week. No previous training required. *Elective for Sophomores. First semester.*

24. ELEMENTARY TECHNIQUE AND DESIGN. *3 credit hrs.*  
Professor ROGERS.

Elementary color theory and technique of water color painting. Requisite: Fine Arts 23 or its equivalent. One lecture and two two-hour laboratory periods per week. *Elective for Sophomores. Second semester.*

25. SURVEY OF THE HISTORY OF ART. *3 credit hrs.*  
Professor C. MORGAN.

The development of the major arts from the earliest time to the present day, with a special emphasis on the manner in which they reflect the successive civilizations that produced them. Three hours of classroom work per week. *Elective for Sophomores. First semester.*

Students in this course interested in a series of studio exercises exploring the principles of design correlated with the sequence of material in the lectures may elect an additional two-hour-a-week studio section for one additional credit hour, a total credit of four hours for the course.

\*Absent on leave 1957-58.

25S. INTRODUCTION TO THE HISTORY OF ART. 3 credit hrs.

Professor TRAPP.

A topical examination of works of painting, sculpture and architecture selected from a variety of contexts intended to develop the student's ability to respond to the individual work of art in critical, as well as historical terms. *Elective for Sophomores. Second semester.*

Students in this course interested in a series of studio exercises exploring the principles of design correlated with the sequence of material in the lectures may elect an additional two-hour-a-week studio section for one additional credit hour, a total credit of four hours for the course.

42. FOUR GREEK SITES. Professor C. MORGAN. 3 credit hrs.

A study of Athens, Corinth, Delphi and Olympia with especial reference to their development and their contribution to the art and culture of classical civilization. Three hours of classroom work per week. *Elective for Juniors. Second semester. (Omitted 1957-58.)*

## 43. EUROPEAN ART OF THE NINETEENTH AND TWENTIETH CENTURIES.

Professor TRAPP.

3 credit hrs.

A study of the development of European art of the period with emphasis on the contributions of major figures. Three hours of classroom work per week. *Elective for Juniors. First semester.*

## 44. STUDIES IN MODERN ART. Professor DARR.

3 credit hrs.

A study of Rivera, Orozco, and other contemporary Mexican painters with particular consideration of the background which produced their art and their relationship to other modern movements. With permission of the instructor. Three hours of classroom work per week. *Elective for Juniors. Second semester. (Omitted 1957-58.)*

## 45S. AMERICAN ART. Professor C. MORGAN.

3 credit hrs.

American architecture, sculpture and painting in America from the 17th century to the present day. Three hours of classroom work per week. *Elective for Juniors. Second semester.*

## 46. MODERN AMERICAN ART. Professor DARR.

3 credit hrs.

An exploration of the major revolution in style, methods and purposes of artists in the United States since 1900. Attention will be given to the forces which brought about these revolutions and their relation to developments in western civilization as a whole. *Elective for Juniors. Second semester. (Omitted 1957-58.)*

## 47. ADVANCED TECHNIQUE AND DESIGN. Mr. LOCKWOOD.

3 credit hrs.

Intensive studio work in oil aimed to increase the student's knowledge

and control of materials and to focus his powers of communication. Occasional outside reading. Requisite: Fine Arts 23-24 or its equivalent. *Elective for Juniors. First semester.*

48. ADVANCED TECHNIQUE AND DESIGN. Mr. LOCKWOOD. 3 credit hrs.

A continuation of Fine Arts 47. Requisite: Fine Arts 47. *Elective for Juniors. Second semester.*

49. MICHELANGELO. Professor C. MORGAN. 1 credit hr.

A study of the artist, his works and his background. One lecture a week and reading. *Elective for Juniors. First semester.*

50S. RENAISSANCE AND BAROQUE ART. Professor TRAPP. 3 credit hrs.

A progressive and comparative study of European art, north and south, from the 15th through the 17th centuries, with an emphasis upon the greater names in the cycle. *Elective for Juniors. First semester. (Omitted 1957-58.)*

51. SURVEY OF EUROPEAN ARCHITECTURE. 3 credit hrs.

A study of the development of architectural styles from the Early Christian period to modern times in Europe. Three hours of classroom work per week. *Elective for Juniors. First semester. (Omitted 1957-58.)*

52. MEDIAEVAL ART. 3 credit hrs.

A study of characteristic monuments from the Romanesque and Gothic periods in European history. Three hours of classroom work per week. *Elective for Juniors. Second semester. (Omitted 1957-58.)*

53. ADVANCED DRAWING. Professor DARR. 3 credit hrs.

A series of exercises intended to develop the acuteness of the student's observation, the discrimination of his selection, and the skill of his execution. Various graphic media will be used including pencil, charcoal, brush and ink, pen and ink, and wood block. Discussion material will attempt to indicate the relationship between the drawings, graphics, and paintings of various artists, from Durer to Picasso as a means of relating the students' own problems to the great tradition. Fine Arts 23-24 or its equivalent is a prerequisite for this course. *First semester. (Omitted 1957-58.)*

55. PRINCIPLES OF DESIGN AND CRITICISM. Professor TRAPP. 4 credit hrs.

Critical discussion and studio exercises intended to explore basic principles of design in painting, sculpture and architecture. Emphasis will be placed on the correlation of creative processes with a variety of attitudes in art history and criticism. Three hours of classroom work and one two-

hour laboratory period per week. Requisite: Fine Arts 25 or Fine Arts 55S. *Elective for Juniors. First semester.*

56. PRINCIPLES OF DESIGN AND CRITICISM. Professor TRAPP. *4 credit hrs.*

A continuation of Fine Arts 55. Requisite: Fine Arts 55. *Elective for Juniors. Second semester.*

79, 80. SPECIAL STUDIES FOR STUDENTS MAJORING IN FINE ARTS.

*4 credit hrs.*

### *French*

Professors FRENCH,\* FUNNELL, and TURGEON; Assistant Professor GIORDANETTI and Mr. HOFMANN; Assistants: Mrs. CANNON, Messrs. BOUILLAGUET, HASSOUN, TALLON, and TOMMY-MARTIN.

*Note: Major with Honors.* Candidates for honors in French must elect courses numbered 7 or 8, 10, 43, 44, 49, 50, 79, 80. This course program may be adjusted in certain cases. An examination will be given in the second semester of the senior year in the history of French literature and in critical interpretation of texts. A thesis may be required.

*Major for students not candidates for the degree with honors.* The major must include thirty credit hours, not counting those of courses 1 and 3. Six of these credits may be in approved courses outside the Department.

*Combined major in two languages.* For a student whose primary language is French, the major must include twenty credit hours in French, not counting courses 1, 3, 5; in the second language it must include ten credit hours of which at least three must deal with literature.

*Requirements for Sophomores in Humanities.* The following courses are approved as satisfying the Humanities requirement in sophomore year: any course numbered above 5, except French 10, 21 and 22.

1. ELEMENTARY COURSE.

*4 credit hrs.*

Professor GIORDANETTI and Assistants.

Grammar, pronunciation, oral practice. Three hours per week for explanation and demonstration, four hours per week in small sections for oral practice. *Elective for Freshmen. First semester.*

3. INTERMEDIATE COURSE.

*4 credit hrs.*

Professor TURGEON, Mr. HOFMANN and Assistants.

Review of grammar and pronunciation; oral practice. Reading and analysis of selected texts. Three hours per week for explanation and demonstration, three hours per week in small sections for drill in aural comprehension of the language. *Elective for Freshmen. First semester.*

\* Absent on leave second semester.

## 3S. INTERMEDIATE COURSE.

4 credit hrs.

Professor TURGEON and Assistants.

Same description as above. *Elective for Freshmen. Second semester.*

## 5. ADVANCED COURSE.

4 credit hrs.

Professor GIORDANETTI, Mr. HOFMANN, and Assistants.

The purpose of this course is to complete the student's training in fluent reading and in oral comprehension. Reading of significant fiction and plays from the modern period. Three hours per week in class and three hours per week in small sections for oral and aural drill. For those whose linguistic preparation is sufficient, there will be a special section in which more stress will be put on the reading as literature. Conducted as far as possible in French. *Elective for Freshmen. First semester.*

## 5S. ADVANCED COURSE. Mr. HOFMANN and Assistants.

4 credit hrs.

Same description as above. *Elective for Freshmen. Second semester.*

## 7. INTRODUCTION TO FRENCH LITERATURE BEFORE THE REVOLUTION.

Professor FUNNELL.

4 credit hrs.

Reading and discussion of selected texts. Requisite: Satisfaction of the language requirement. Four hours of classroom work per week. *Elective for Freshmen. First semester.*

## 8. INTRODUCTION TO FRENCH LITERATURE SINCE THE REVOLUTION.

Professor FUNNELL.

4 credit hrs.

Reading and discussion of selected texts. Requisite: satisfaction of the language requirement. Four hours of classroom work per week. *Elective for Freshmen. Second semester.*

## 10. ADVANCED COMPOSITION AND CONVERSATION.

4 credit hrs.

Professor GIORDANETTI and Assistants.

Practice in free composition and in set translation into French; oral reports on selected topics. This course is designed primarily for those who wish to perfect their command of French for further study or for teaching the language. Three hours per week of composition and two hours per week of conversation. Requisite: Satisfaction of the language requirement. *Elective for Freshmen. Second semester.*

## 17. READINGS IN THE FRENCH NOVEL. Professor GIORDANETTI. 3 credit hrs.

The reading will include at least one novel each by Balzac, Stendhal and Flaubert, with others, as time permits, chosen from the eighteenth and later nineteenth centuries. This course will be conducted partially in French. Requisite: satisfaction of the reading requirement. Three hours of classroom work per week. *Elective for Freshmen. First semester.*

18. FRENCH DRAMA OF THE 18TH AND 19TH CENTURIES. 3 credit hrs.  
Professor TURGEON.

The reading will include plays by Lesage, Marivaux and Beaumarchais, followed by a number of representative plays of the nineteenth century. This course will be conducted partially in French. Requisite: satisfaction of the reading requirement. Three hours of classroom work per week. *Elective for Freshmen. Second semester.*

21, 22. READING COURSE. Mr. HOFMANN. 4 credit hrs.

A year course open to those who have already satisfied their language requirement in another language and who desire a reading knowledge of French. Four hours of classroom work per week. *Elective for Sophomores. First and second semesters.*

25S. FRENCH LYRIC POETRY. Professor FUNNELL. 2 credit hrs.

Medieval lyrics; poems by François Villon, Ronsard, du Bellay and Chénier; the chief Romantic and Parnassian poets of the nineteenth century. Requisite: French 7, 8, 17 or 18. Two hours of classroom work per week. *Elective for Sophomores. Second semester.*

27S. READINGS IN THE TWENTIETH CENTURY NOVEL. 3 credit hrs.  
Professor GIORDANETTI.

Readings from the novels of such authors as Colette, Romains, Mauriac, Malraux, Sartre and others, but excluding Gide and Proust. The course will be conducted partially in French. Requisite: French 7, 8, 17 or 18. Two hours of classroom work per week. *Elective for Sophomores; limited to fifteen students. Second semester.*

29. FRENCH DRAMA SINCE 1890. Professor TURGEON. 3 credit hrs.

A survey of the principal trends in the modern theater with extensive readings from such authors as Claudel, Romains, Giraudoux, Anouilh, and Sartre. Requisite: French 7, 8, 17 or 18. Two hours of classroom work per week. *Elective for Sophomores; limited to fifteen students. First semester in alternate years.*

41. SPECIAL TOPICS IN FRENCH LITERATURE. 1-3 credit hrs.  
THE DEPARTMENT.

In this course a student will work individually with one member of the department on an approved subject. In general authors dealt with in other advanced courses in French will not be approved for work in this course. The amount of credit to be given for the work will be settled in advance in consultation between the student and the department. Requisite: French 7, 8, 17 or 18, and consultation with, and the approval of, the department. *Elective for Juniors. First semester. (Omitted 1957-58.)*

## 42. SPECIAL TOPICS IN FRENCH LITERATURE.

1-3 credit hrs.

## THE DEPARTMENT.

Description and requisites as for course 41. *Elective for Juniors. Second semester. (Omitted 1957-58.)*

## 43. FRENCH CLASSIC TRAGEDY—CORNEILLE AND RACINE.

4 credit hrs.

## Professor TURGEON.

A study will be made of the history of the French theater in the seventeenth century and of the development and theory of classic tragedy, with detailed analysis of the principal tragedies of Corneille and Racine. Requisite: French 7, 8, 17 or 18. Three hours of classroom work per week. *Elective for Juniors and, with the consent of the instructor, for Sophomores; limited to twenty-five students. First semester. (Omitted 1957-58.)*

## 44. FRENCH CLASSIC COMEDY—MOLIÈRE. Professor TURGEON. 4 credit hrs.

A detailed study of the principal comedies of Molière, and of the comic spirit as exemplified in LaFontaine and Boileau. Requisite: French 7, 8, 17 or 18. Three hours of classroom work per week. *Elective for Juniors and, with the consent of the instructor, for Sophomores; limited to twenty-five students. Second semester. (Omitted 1957-58.)*

## 48. POETRY SINCE BAUDELAIRE. Professor FUNNELL.

2 credit hrs.

Baudelaire, the Symbolists, a few prominent poets of the twentieth century. Requisite: French 7, 8, 17 or 18. Two hours of classroom work per week. *Elective for Juniors and, with the consent of the instructor, for Sophomores. Second semester. (Omitted 1957-58.)*

## 49. FRENCH LITERATURE OF THE RENAISSANCE. Prof. FRENCH 4 credit hrs.

Readings in Rabelais, Montaigne and the poets of the 16th century. Requisite: French 7, 8, 17 or 18. Three hours of classroom work per week. *Elective for Juniors and, with the consent of the instructor, for Sophomores; limited to twenty-five students. First semester in alternate years.*

## 50. FRENCH LITERATURE OF THE EIGHTEENTH CENTURY.

4 credit hrs.

## Mr. HOFMANN

Voltaire, Diderot and Rousseau. Requisite: French 7, 8, 17 or 18. Three hours of classroom work per week. *Elective for Juniors and, with the consent of the instructor, for Sophomores; limited to twenty-five students. Second semester in alternate years.*

## 51. ANDRÉ GIDE.

1 credit hr.

Requisite: French 7, 8, 17 or 18. One hour of classroom work per week. *Elective for Juniors and, with the consent of the instructor, for Sophomores. First semester. (Omitted 1957-58.)*

## 53. MARCEL PROUST. Professor FUNNELL.

1 credit hr.

Requisite: French 7, 8, 17 or 18. One hour of classroom work per week. *Elective for Juniors and, with the consent of the instructor, for Sophomores. First semester.*

## 79. CONFERENCE COURSE FOR SENIORS.

4-6 credit hrs.

*First semester.*

## 80. CONFERENCE COURSE FOR SENIORS.

4-6 credit hrs.

*Second semester.**Geology*

Professor BAIN; Assistant Professor BROPHY; Mr. WEBB

*Note:* A major in geology consists of twelve semester hours in related subjects approved by the Department and twenty semester hours in geology which are divided into three blocks and arranged to make a sequence. Eight semester hours of either Science 23-24 with a grade of B or Geology 21, and Geology 22, are fundamental. An additional 8 semester hours in geological subjects are essential to progress into an advanced field of geology. Four semester hours in an advanced field are required for a sequence. Science 21-22 are considered related subjects. Other related courses will be from that field of biology, chemistry, economics, mathematics or physics, advantageous to satisfactory progress in the advanced field selected for a major study.

The Department offers five sequences leading to a major in Geology. The sequences, and appropriate advanced subjects, are mineral studies (45), structural geology (79), geology of sedimentary rocks (44), geography of material resources (46) and paleontology (49 or 56).

A student may declare his intention to major at any time up to the end of his sixth semester. At that time he should have completed, or have arranged to complete, courses which will enable him to examine independently most problems in the field of his sequence.

Candidates for the degree with honors must have completed a sequence by the end of their seventh semester, except in the instance of the geography sequence, and undertake a program of individual study as part of Geology 80. Geology 46 may be taken concurrently with Geology 80 for students electing the geography sequence.

Attention of students intending to proceed to graduate school is drawn to the requirements by many institutions that an applicant take the graduate record examination and that the candidate for an advanced degree have a reading knowledge of French and German. A thorough knowledge of Geology 21-22, 23-24 will afford coverage for 85% of

the graduate record examination, and should be completed with a grade of B before applying to take this test.

**21. PRINCIPLES OF GEOLOGY.** The Staff. *4 credit hrs.*

An introductory study of the historical development of the science, and the processes modifying the surface form and internal structure of the earth. Four hours classroom and two hours laboratory work per week. Laboratory will be held in the field when weather permits. *Elective for sophomores. First semester.*

**21S. PRINCIPLES OF GEOLOGY.** The Staff. *4 credit hrs.*

Same as 21. *Elective for Sophomores. Second semester.*

**22. HISTORICAL GEOLOGY.** Mr. WEBB. *4 credit hrs.*

The history of the development of the continents, the succession of plants and animals, and the evolution of life during the geologic past. Four hours classroom and two hours laboratory work per week. Requisite: Geology 21 or Science 23 with grade of B. *Elective for Sophomores. Second semester.*

**23. MINERALOGY.** Professor BROPHY. *4 credit hrs.*

A study of minerals and crystals including recognition, formation, occurrence, and use, and an introduction to the nature of crystalline matter. Three hours classroom and four hours laboratory work per week. *Elective or Sophomores. First semester.*

**24. PETROLOGY.** Professor BROPHY. *4 credit hrs.*

A systematic study of sedimentary, igneous, metamorphic and hydrothermal rocks, their origins and physicochemical relationships. Three hours classroom and four hours laboratory per week. Requisite: Geology 21 or Science 23 with grade of B, and Geology 23. *Elective for Sophomores. Second semester.*

**26. REGIONAL GEOLOGY AND GEOGRAPHY OF THE AMERICAS.** *2 credit hrs.*

Professor BAIN.

A study of the development of the principal features in scenery, the rocks, the climate and human activities in the Americas and the surrounding oceans. Offered in alternate years with Geology 46. Two hours of classroom and one hour of laboratory work per week. Requisite: Geology 21 or Science 23 with grade of B. *Elective for Sophomores. Second semester.*

**28. REGIONAL GEOLOGY AND GEOGRAPHY OF THE EASTERN HEMISPHERE.**

Professor BAIN. *2 credit hrs.*

A study of the development of the principal features in scenery, the

rocks, the climate and human activities in the eastern hemisphere and occluded oceans. Offered in alternate years with Geology 46. Two hours of classroom and one hour of laboratory work per week. Requisite: Geology 21 or Science 23 with grade of B. (Students may elect either Geology 26, or 28, or both.) *Elective for Sophomores. Second semester.*

30. MINERALS IN MODERN AFFAIRS. Professor BROPHY. 2 credit hrs.

Minerals, their properties, recognition, distribution, and role today. This course is designed for the non-science major and is not credited for a major in the department. Two hours classroom and one laboratory hour per week. *Elective for Sophomores. Second semester.*

44. SEDIMENTOLOGY AND STRATIGRAPHY. Mr. WEBB 4 credit hrs.

A study of the features of modern sediments and the interpretation of sedimentary rocks and occurrence of resources in stratified rocks. Three hours classroom and four hours laboratory work per week. Requisite: Geology 22. *Elective for Juniors. Second semester.*

45. MINERAL DEPOSITS. Professors BAIN and BROPHY. 4 credit hrs.

A study of the origin and distribution of bodies that contain minerals essential to modern industrial life. Three classroom hours and four laboratory hours per week. Requisite: Geology 24. *Elective for Juniors. First semester.*

46. WORLD RESOURCES. Professor BAIN. 4 credit hrs.

An investigation into supplies of materials from the earth available to man and the average requirement per person for each. Land acreage, water power, and mineral resources are studied in detail. Given in alternate years. Three hours classroom, one discussion period, and two hours laboratory work per week. Requisite: Geology 22, or 26, or 28. *Elective for Juniors. Second semester. (Omitted 1957-58.)*

49. INVERTEBRATE PALEONTOLOGY. Mr. WEBB. 4 credit hrs.

The identification, relationships, occurrence, and use of fossil invertebrate animals and plants. Three hours classroom and four hours laboratory work per week. Requisite: Geology 22. *Elective for Juniors. First semester.*

56. VERTEBRATE PALEONTOLOGY. Professor WOOD. 4 credit hrs.

The evolution of vertebrates as shown by the study of fossils, and the relationship of environment to evolution. Three hours classroom and four hours laboratory work per week. (Same course as Biology 56.) Requisite: Geology 22 or Biology 41. *Elective for Juniors. Second semester.*

## 79, 80. CONFERENCE COURSE. The Staff.

4 to 6 credit hrs.

Special investigation of one or more topics in mineral deposits, structural geology, sedimentology, paleontology, or world resources. Two or more hours conference per week and laboratory work as required. Requisite: The background courses in the Department. *Elective for Seniors.*

### *German*

Professor SCENNA; Associate Professor PEPPARD; Mr. WHITE;  
Assistants: Mrs. BREUSCH; Messrs. GOTTSCHALK and KUEPPER.

*Note:* The following courses may be used to satisfy the Humanities requirement in sophomore year: German 7, 21, 22, 27, 28, 32, 33, 35.

*Major for students not candidates for the degree with honors.* The major must include thirty credit hours, not counting those of courses 1 and 3. Eight of these credits may be in approved courses outside the Department.

*Honors:* The aim of honors work in German is to offer the candidate the opportunity

- a) to explore a chosen field or fields through a more extensive program of readings than is possible in course work;
- b) to organize material for himself along historical or analytical lines, usually in the form of a thesis or essay;
- c) to acquire a general view of the history and development of German, either as language or literature.

The goal of this work is not necessarily to produce graduate students, unless a candidate has definitely decided upon doing graduate work. The program of the senior year is organized on the basis of individual conferences, in which the candidate benefits from personal attention.

Each candidate will present a thesis or essay on an approved topic. It may deal critically with the work of a specific author; it may treat the development of an idea in historical form; it may be a study of some particular literary form.

Each candidate will take, early in May, a written general examination on the history of German literature, which will also include questions in his chosen field. The result of this examination together with the excellence of the thesis or essay will determine the degree of honors for which the Department will recommend the candidate.

Candidates for the degree with honors should elect German 21, 22, 27, 43, 44, 79, 80. They are urged to study one ancient or other modern foreign language.

1. ELEMENTARY COURSE. Professor SCENNA. 4 credit hrs.

Grammar, pronunciation, oral practice. This course will meet three hours per week for explanation and demonstration, and four hours per week in small sections for oral practice. *Elective for Freshmen. First semester.*

3. INTERMEDIATE COURSE. Mr. WHITE. 4 credit hrs.

Review of grammar and pronunciation; oral practice. Reading and analysis of selected texts. This course will meet three hours per week for explanation and demonstration, and three hours per week in small sections for drill in aural comprehension of the language. Assignment to this course will be made on the basis of the score in the CEEB Achievement Test. *Elective for Freshmen. First semester.*

3S. INTERMEDIATE COURSE. Mr. WHITE. 4 credit hrs.

Same description as above. Requisite: German 1, or its equivalent. *Elective for Freshmen. Second semester.*

5. ADVANCED COURSE. Mr. WHITE. 4 credit hrs.

Reading and analysis of selected texts. This course will meet three hours per week for demonstration and explanation, and three hours per week in small sections for oral practice and discussion. Stress will be placed on the acquisition of aural comprehension of the language and oral drill. Conducted as far as possible in German. Requisite: A satisfactory score in the CEEB Achievement Test, or German 3, or the equivalent. *Elective for Freshmen. First semester.*

*Note:* Freshmen will be assigned to German 1, German 3, or German 5 on the basis of the score in the CEEB Achievement Test and previous training.

5S. ADVANCED COURSE. Mr. WHITE. 4 credit hrs.

Same description as above. Requisite: German 3 or its equivalent. *Elective for Freshmen. Second semester.*

7. INTRODUCTION TO GERMAN LITERATURE. 4 credit hrs.

Professor PEPPARD.

Reading and discussion of selected literary texts. This course will be conducted as far as possible in German. Requisite: satisfaction of the language requirement. Four hours of classroom work per week. *Elective for Freshmen. First semester.*

7S. INTRODUCTION TO GERMAN LITERATURE. 4 credit hrs.

Professor PEPPARD.

Same description as above. Requisite: satisfaction of the language re-

quirement, including satisfaction of the requirement at the end of the first semester. *Elective for Freshmen. Second semester.*

21. FAUST. Professor SCENNA. *2 credit hrs.*

*Faust, Part I.* Study of the Faust legend and assigned readings. Requisite: German 7 or the consent of the instructor. Two classroom meetings per week. *Elective for Sophomores. First semester.*

21S. FAUST. Professor SCENNA. *2 credit hrs.*

Same description as above. *Elective for Sophomores. Second semester.*

22S. FAUST. Professor SCENNA. *2 credit hrs.*

*Faust, Part II.* Study of the Faust legend and assigned readings. Requisite: German 21 or the consent of the instructor. Two classroom meetings per week. *Elective for Sophomores. First semester.*

22. FAUST. Professor SCENNA. *2 credit hrs.*

Same description as above. *Elective for Sophomores. Second semester.*

23. ADVANCED COMPOSITION AND CONVERSATION. *4 credit hrs.*

Professor PEPPARD.

Practice in free composition and set translation into German; oral reports on selected topics. This course is designed primarily for those who wish to perfect their command of German for further study or for teaching the language. Offered every other year. Requisite: the consent of the instructor. *Elective for Sophomores. First semester.*

25, 26. READING COURSE. Mr. WHITE. *4 credit hrs.*

A year course open to those who have already satisfied their language requirement in another language and who desire a reading knowledge of German. Four hours of classroom work per week. *Elective for Sophomores. First and second semesters.*

27. THE AGE OF GOETHE. Professor SCENNA. *4 credit hrs.*

A study of the development of German literature, particularly as reflected in the works of Goethe, excluding *Faust*. Selected readings in other authors of the period. Lectures, essays and assigned readings. Requisite: German 7 or the consent of the instructor. Three hours of classroom work per week. *Elective for Sophomores; limited to fifteen students. First semester. (Omitted 1957-58.)*

28. ADVANCED READINGS IN GERMAN LITERATURE. *3 credit hrs.*

Professor PEPPARD.

The content of this course will be determined each year by the instructor

in charge. For 1957-58: German literature of the twentieth century, with some attention to the relation of literature to the national scene. Requisite: German 7, or consent of the instructor. Three hours of classroom work per week. *Elective for Sophomores. Second semester.*

32. THOMAS MANN. Professor SCENNA.

1 credit hr.

An introduction to the shorter works of Thomas Mann and a study of his place in modern letters. Lectures and discussion. Requisite: German 7 or the consent of the instructor. One hour of classroom work per week. *Elective for Sophomores. Second semester.*

33. FRANZ KAFKA. Professor PEPPARD.

1 credit hr.

A study of Kafka and his place in European literature. Lectures and discussion. Requisite: German 7 or the consent of the instructor. One hour of classroom work per week. *Elective for Sophomores. First semester. (Omitted 1957-58.)*

35. GERMAN POETRY OF THE TWENTIETH CENTURY.

1 credit hr.

Professor PEPPARD.

Representative poems of the period and their relation to cultural developments in Germany. Requisite: German 7 or the consent of the instructor. One hour of classroom work per week. *Elective for Sophomores. First semester.*

42. GERMAN LITERATURE OF THE NINETEENTH CENTURY.

4 credit hrs.

Professor SCENNA.

Major developments in German prose, poetry and drama since the age of Goethe, with some attention to the contemporary literary scene. Readings, reports and discussions. Requisite: German 21, or German 27, or the consent of the instructor. One seminar meeting per week, together with individual conferences. *Elective for Juniors. Second semester. (Omitted 1957-58.)*

43. STUDIES IN GERMAN CULTURE I. Professor SCENNA.

4 credit hrs.

Assignment of individual problems or readings in fields of special interest. Requisite: German 22 or the consent of the instructor. *Elective for Seniors. First semester.*

44. STUDIES IN GERMAN CULTURE II. Professor SCENNA.

4 credit hrs.

Assignment of individual problems or readings in fields of special interest. Requisite: German 22, or German 43, or the consent of the instructor. *Elective for Seniors. Second semester.*

79-80. HONORS COURSE FOR SENIORS. The Department.

6 credit hrs.

*History*

Professors COMMAGER, HAVIGHURST, \* MCKAY, ROZWENC, and SALMON;  
Assistant Professors DOUGLAS, GREENE, HALSTED, and RUSSELL;  
Messrs. BISSON, RANDALL, and SEDELOW.

*Note:* A major in history will consist of eight semester courses in addition to the required sequence courses (History 1-2 and American Studies 21-22) of the freshman and sophomore years.

For majors in the department, History 25 (or History 25S) is recommended and should be taken either in sophomore or in junior year.

History 23-24 will satisfy the humanities requirement.

*Honors Program:* All candidates for honors must elect History 70, 79, and 80. These three courses form an integrated enterprise. The object is to offer the student an opportunity to arrive at some understanding of what "history" is and how the historian works: first, by the study of the writings of historians themselves, and second, by individual and original work through the application of historical principles. Thus, the nature and method of history will be studied initially in the statements of certain well-known historians as to what they conceive themselves to have been doing, and then through the examination of how various historians have used evidence, employed analytic concepts, and synthesized materials in selected areas of historical experience. Hence, students will have an opportunity to assess a variety of approaches to history as well as the usefulness to history of concepts taken from adjacent disciplines. By stressing the importance of selecting a thesis topic in the spring of the junior year, encouragement will be given to a fuller utilization of the summer following for research or for further preparatory work in a relevant language. In the senior year, the History honors student will give the larger part of his time to the preparation of a thesis.

Candidates for honors in History must take, in addition to the social sciences sequences of the freshman and sophomore years, eight semester courses in the Department. These courses will include the three conference courses in the honors program. Those who wish to concentrate in the field of European history should work out a balanced program of courses in several periods of European history. Those who wish to concentrate in American history should work out a program that will deepen their understanding of American historical experience and its European background. All honors candidates, however, should realize the value of comparative historical study, for example, as between Europe and America, or between Europe and Asia. Useful historical inquiry depends upon familiarity with the problems and methods of historical

\* Absent on leave second semester.

investigation; but the student of history cannot raise historical questions fruitfully unless he has become familiar with the continuities and the diversities in human thought and behavior in the past.

**1. THE DEVELOPMENT OF WESTERN CIVILIZATION: A SURVEY OF EUROPEAN HISTORY AND AN INTRODUCTION TO THE SOCIAL STUDIES.**

*4 credit hrs.*

Professors SALMON, DOUGLAS, RUSSELL, and HALSTED; Messrs. BISSON, RANDALL and SEDELOW.

Lectures, 3 hours; section meetings, 1 hour. *Required for Freshmen. First semester.*

**2. THE DEVELOPMENT OF WESTERN CIVILIZATION: A SURVEY OF EUROPEAN HISTORY AND AN INTRODUCTION TO THE SOCIAL STUDIES.** *4 credit hrs.*

Professors SALMON, DOUGLAS, RUSSELL, and HALSTED; Messrs. BISSON, RANDALL and SEDELOW.

Lectures, 3 hours; section meetings, 1 hour. *Requisite: History 1. Required for Freshmen. Second semester.*

**21. LATIN AMERICA.** Professor SALMON. *3 credit hrs.*

The national history of the Latin American states from independence to the present. There will be a brief summary of the Indian and the Iberian backgrounds and the course will deal with economic and international problems along with political developments of the 19th and 20th centuries. *Elective for Sophomores. First semester. (Omitted 1957-58.)*

**22. LATIN AMERICA.** Professor SALMON. *3 credit hrs.*  
(*Omitted 1957-58.*)

**23. CLASSICAL CIVILIZATION.** Professor MOORE. *3 credit hrs.*  
(Same course as Classics 23.) *Elective for Sophomores. First semester.*

**24. CLASSICAL CIVILIZATION.** Professor CLAUSEN. *3 credit hrs.*  
(Same course as Classics 24.) *Elective for Sophomores. Second semester.*

**25. TOPICS IN THE HISTORY OF MEDIEVAL EUROPE.** *4 credit hrs.*  
Professors DOUGLAS and HAVIGHURST.

A course based on the intensive study of five or six aspects of medieval society, institutions and thought. Topics will be chosen to illustrate: (1) sources and forms of historical evidence, (2) the use and interpretation of such evidence in historical writing. Emphasis will be placed upon the varied ways in which the age reveals itself to historians. Individual projects and class discussion. Four hours of classroom work per week. *Elective for Sophomores. First semester.*

- 25S. TOPICS IN THE HISTORY OF MEDIEVAL EUROPE. *4 credit hrs.*  
Professors DOUGLAS and HAVIGHURST.  
Same course as History 25. *Elective for Sophomores. Second semester.*  
(Omitted 1957-58.)
28. MODERN ENGLAND. Professor RUSSELL. *3 credit hrs.*  
A study of some of the fundamental changes in English society and institutions from 1714 to the present. The Georgian society of the mid-eighteenth century will be compared with the Victorian society of the mid-nineteenth. Three hours of classroom work per week. *Elective for Sophomores. Second semester.*
41. RUSSIA. Professor SALMON. *3 credit hrs.*  
General history of Russia and the Slavs from the period of their origins to 1825. *Elective for Juniors. First semester.*
42. RUSSIA. Mr. RANDALL. *3 credit hrs.*  
History of Russia and the Soviet Union in the 19th and 20th centuries. *Elective for Juniors. Second semester.*
43. EUROPE IN THE NINETEENTH CENTURY. Professor HALSTED. *4 credit hrs.*  
An investigation of the character of European society and its dominant intellectual currents in the period 1815-1860, through the analysis of a limited number of selected topics. The last weeks of the semester will be devoted to an intensive study of the revolutions of 1848 and the subsequent reaction. *Elective for Juniors. First semester.*
44. EUROPE IN THE NINETEENTH CENTURY. Professor HALSTED. *4 credit hrs.*  
A continuation of History 43. Topics will be selected from the period 1860-1914. The closing weeks will center upon imperialist activity as a reflection of economic developments, of social and international antagonisms, and of changes in European opinion. *Elective for Juniors. Second semester.*
45. THE FAR EAST: CHINA AND JAPAN. Mr. RUSSELL. *3 credit hrs.*  
An examination of the social and cultural development of China and Japan from antiquity through the 17th century. Political structure will be dealt with as growing out of the civilization of these areas. Three hours of classroom work per week. *Elective for Juniors. First semester.* (Omitted 1957-58.)
- 46S. THE FAR EAST: CHINA AND JAPAN. Mr. RUSSELL. *3 credit hrs.*  
A continuation of History 45 up to World War II, with special emphasis on the impact of the West on China and Japan. Three hours of classroom work per week. *Elective for Juniors. First semester.*

## 47. SEVENTEENTH CENTURY EUROPE. Mr. SEDELOW. 4 credit hrs.

The social organization, culture, and politics of Europe in the seventeenth century, with special emphasis on source materials in education, government, science, business, agriculture and religion. *Elective for Juniors. First semester.*

## 48. AGE OF THE ENLIGHTENMENT. Mr. SEDELOW. 4 credit hrs.

Eighteenth century Europe prior to the French Revolution, with special emphasis on source materials in Enlightenment social thought and reform, education, religion, aesthetics, history, and the professions. *Elective for Juniors. Second semester.*

## 49. EUROPE IN THE TWENTIETH CENTURY, 1914-1936. 4 credit hrs.

Professor MCKAY.

A study of the central historical currents of our age, with substantial introductory analysis of the background in the decades prior to 1914. The course will emphasize intellectual, economic, social, and political factors. It will consistently present Europe in its relevant world setting, with particular attention to developments in the United States and in the colonial empires. History 49 and 50 form a substantive and chronological unit, but either can be elected separately. Three classroom hours a week, with conferences. *Elective for Juniors. First semester.*

## 50. EUROPE IN THE TWENTIETH CENTURY, 1936 TO THE PRESENT

Professor SALMON.

4 credit hrs.

This course will study the growing European tensions from the middle 1930's, the breakdown of Collective Security, and the military-diplomatic aspects of World War II. The period since 1945 and developments of the Cold War will receive attention as Europe passes from a dominant to a subsidiary role. Three classroom hours per week, with conferences. *Elective for Juniors. Second semester.*

## 51. ENGLISH HISTORY: TUDORS and STUARTS.

3 credit hrs.

Professor HAVIGHURST.

An examination of English society and institutions from 1485 to 1714: the English break with Rome and the Elizabethan Settlement in religion; the Elizabethan Age; development of Puritan thought; constitutional conflicts of the 17th century, with some attention to their social and economic implications. Three hours of classroom work per week. *Elective for Juniors. First semester. (Omitted 1957-58.)*

## 53. SOCIAL AND INTELLECTUAL HISTORY OF THE UNITED STATES.

Professor ROZWENC.

4 credit hrs.

An examination of American thought and behavior, 1750-1850. Emphasis is given to significant demographic data; basic political, eco-

nomic, religious institutions; and to the ideas and values that composed the agrarian ethos of the century of historical experience under examination. *Elective for Juniors. First semester. (Omitted 1957-58.)*

**54. SOCIAL AND INTELLECTUAL HISTORY OF THE UNITED STATES.**

Professor ROZWENC.

*4 credit hrs.*

An examination of American thought and behavior, 1860-1950. Emphasis is given to significant demographic data; to basic political, economic, religious and educational institutions; to the role of science in American society; to the means of communication and the ideas and values that compose the dominant urban ethos of the period under consideration. *Elective for Juniors. Second semester. (Omitted 1957-58.)*

**55. THE FRENCH REVOLUTION.** Professor SALMON.

*3 credit hrs.*

Three hours of classroom work per week. *Elective for Juniors. First semester. (Omitted 1957-58.)*

**56. THE AGE OF NAPOLEON.** Professor SALMON.

*3 credit hrs.*

Three hours of classroom work per week. *Elective for Juniors. Second semester. (Omitted 1957-58.)*

**59. SOCIETY AND POLITICS IN DE TOCQUEVILLE'S AMERICA.**

*4 credit hrs.*

Professor ROZWENC.

An intensive examination of the influence of social and economic changes upon politics in America in the second quarter of the nineteenth century. Special attention will be given to political ideas not only of politicians but of journalists and literary figures as well. A few key problems will be analyzed by means of a comparative examination of England and France in the same period. *Elective for Juniors. Limited to twenty-five students. First semester.*

**60. SOCIETY AND POLITICS IN THE ERA OF THE NEW DEAL.**

Professor ROZWENC.

*4 credit hrs.*

An intensive examination of the influence of social and economic changes upon politics in the second quarter of the twentieth century. Special attention will be given to selected writings including imaginative literature as well as conventional political thought. Wherever possible, European historical experience will be used for purposes of comparative analysis. *Elective for Juniors. Limited to twenty-five students. Second semester.*

**61. FOUNDATIONS OF AMERICAN CIVILIZATION.**

*4 credit hrs.*

Professor GREENE.

An analysis of the first five generations of Americans (from early settlers through the Revolutionary generation) with emphasis upon the origins of

certain fundamental themes in American history: social classes, immigration, European-American relations, frontier vs. city, science vs. religion, and constitutional democracy. Four hours of classroom work per week. *Elective for Juniors. First semester.*

**62. AMERICAN DIPLOMATIC HISTORY.** Professor GREENE. 3 credit hrs.

The history of American foreign policy from the American Revolution to the present, with emphasis on the period since 1898. Three hours of classroom work per week. *Elective for Juniors. Second semester.*

**63. THE ITALIAN RENAISSANCE.** Professor DOUGLAS. 4 credit hrs.

The rise of a city-state society in Italy (1200-1500): forms of power, class structure, humanist thought and the uses of antiquity. Concluding weeks deal with Burgundy and the Netherlands in the fifteenth century. Four hours of classroom work per week, including a seminar. *Elective for Juniors. First semester.*

**64. RENAISSANCE AND REFORMATION IN THE NORTH.** 4 credit hrs.

Professor DOUGLAS.

Europe in the generation of Erasmus and Luther (c. 1485-1555): dynastic nationalism, class structure, "Christian Humanism," the Protestant movements, the Catholic Reformation. Four hours of classroom work per week, including a seminar. *Elective for Juniors. Second semester.*

**65. CONFERENCE COURSE ON MODERN WAR AND ITS IMPACT ON SOCIETY.**

Professor MCKAY.

4 credit hrs.

This is a conference course which proposes to explore, by means of reports and discussion, the impact of modern war on the society of the past hundred years. It is designed primarily for honors seniors in history but other properly qualified students will be admitted. The problems for 1957-58 will center on World War I. One two-hour meeting weekly. *Limited to fifteen students. Elective for Juniors. First semester.*

**66. SEMINAR ON THE AMERICAN WEST.** Professor GREENE. 4 credit hrs.

Through weekly discussion and occasional reports this seminar will examine selected readings and topics relevant to understanding the role played by the Western frontier in American political, social, economic and intellectual development. One two-hour seminar weekly. *Limited to fifteen students. Admission by consent of instructor. Elective for Juniors. Second semester. (Omitted 1957-58.)*

**67. FOUNDATIONS OF ENGLISH LAW AND THE CONSTITUTION.** 4 credit hrs.

Professor HAVIGHURST.

Origins of the English Constitution; growth of Common Law; evo-

lution of Parliament; development of Monarchy. Three hours of classroom work per week. *Elective for Juniors; limited to twenty-five students. First semester.*

68. THE HISTORY OF FRANCE SINCE 1848. *4 credit hrs.*  
Professor MCKAY.

A study of the interrelated economic, social, intellectual, political, and international factors in the history of France from the Revolution of 1848 to the present day. Four hours of classroom work per week. *Elective for Juniors. Second semester.*

70. CONFERENCE COURSE. JUNIOR HONORS. The Department. *6 credit hrs.*  
*Elective for Juniors. Second semester.*

71. THE ORIGINS AND DEVELOPMENT OF AMERICAN NATIONALISM. *3 credit hrs.*  
Professor COMMAGER.

The constitutional foundations, the political framework, the economic influences, the institutional growth, the social and cultural characteristics of American nationalism in the years from the Revolution to the Civil War. Three hours of classroom work per week. *Elective for Juniors. First semester.*

73. CONFERENCE COURSE IN AMERICAN INTELLECTUAL HISTORY. *4 credit hrs.*  
Professor COMMAGER.

This course will consist of reading, discussion and reports on some of the seminal books of American intellectual history: The Federalist Papers; Emerson's English Traits; Whitman's Democratic Vistas; Rolvaag's Giants in the Earth; selections from the writings of Lester Ward, William James, Henry Adams, and Justice Holmes. Limited to 15 students. One two-hour seminar weekly. *Elective for Juniors and Seniors. First semester.*

79. CONFERENCE COURSE. SENIOR HONORS. *6 credit hrs.*  
The Department.

*Elective for Seniors. First semester.*

80. CONFERENCE COURSE. SENIOR HONORS. *6 credit hrs.*  
The Department.

Requisite: History 79. *Elective for Seniors. Second semester.*

### *Humanities*

1. HUMANITIES. *2 credit hrs.*

Professors BARBER, FUNNELL (*chairman*), HUMPHRIES, MARTIN, EPSTEIN, JOHNSON, PEPPARD, GOULD, NIELSEN, RUSSELL and SANDERS, Messrs. RANDALL and SEDELOW.

A reading course: fairly rapid reading for understanding and enjoyment. The course is intended to serve as a contribution to the student's general education, and the books are chosen to illustrate certain

important stages in the development of Western culture. The reading list varies somewhat from year to year, but in general this semester is given over largely to Greek literature and to the Bible. The course is conducted in small sections: class discussions, short papers, occasional lectures. Two hours per week. *Required for Freshmen. First semester.*

**2. HUMANITIES.**

*2 credit hrs.*

Professors FUNNELL (*chairman*), HUMPHRIES, MARTIN, EPSTEIN, JOHNSON, KENNICK, MOORE, PEPPARD, HALSTED, NIELSEN and SANDERS, Messrs. RANDALL and SEDELOW.

A continuation of Humanities 1. The reading list for this semester includes in general works selected from the medieval, Renaissance and modern periods. Three hours per week. Requisite: Humanities 1. *Required for Freshmen. Second semester.*

**23S. AN INTRODUCTION TO THE GREAT NOVELS.** Professor KAZIN.

*2 credit hrs.*

An introduction to the great novels of the world, European, English, American. Foreign works will be read in translation. About seven books will be read in full. The aim of the course is to show the many different kinds of narrative skill that have been brought to the novel. Two hours of classroom work per week. *Elective for Sophomores. Second semester.*

### *Italian*

Professor FRENCH\* AND Assistant Professor GIORDANETTI

**1. ELEMENTARY COURSE.**

*4 credit hrs.*

Professors FRENCH and GIORDANETTI.

Recognition and imitation of basic sentence patterns, vocabulary and verb forms. Extensive drill on pronunciation in class and laboratory; graded reading from beginning of course with aural-oral drill on same. Six hours classroom work and practice per week. *Elective for Freshmen. First semester.*

**3S. INTERMEDIATE COURSE.** Professor GIORDANETTI.

*4 credit hrs.*

Continued oral-aural practice. Reading and analysis of original texts, such as Wilkins and Altrocchi, *Italian Short Stories*; Pirandello, *Atti unici* (3 plays); Fogazzaro, *Piccolo mondo antico*. Five hours per week. *Elective for Freshmen. Second semester.*

**21. READINGS IN ITALIAN LITERATURE FROM BOCCACCIO TO THE PRESENT.**

Professor FRENCH.

*4 credit hrs.*

Reading of important works with special attention to the modern period. Requisite: Italian 3. Four hours of classroom work per week. *Elective for Sophomores. First semester. (Omitted 1957-58.)*

\* Absent on leave second semester.

22S. DANTE. Professor FRENCH. *4 credit hrs.*

A reading of the *Inferno* and of parts of the *Purgatorio* and *Paradiso*. Special study of the social and political background of the work. Requisite: Italian 21. Special reports and papers. Given in alternate years. Three hours of classroom work per week. *Elective for Sophomores; limited to twenty-five students. First semester.*

24. THE RENAISSANCE. Professor FRENCH. *4 credit hrs.*

Origins in Boccaccio's *Decamerone* and in Petrarch's *Canzoniere*. Reading of Cellini's *Vita*, Castiglione's *Cortegiano* and Machiavelli's *Principe* with a study of the social background of the fifteenth and sixteenth centuries in Italy. Special reports and papers. Requisite: Italian 21. Three hours of classroom work per week. *Elective for Sophomores; limited to twenty-five students. Second semester. (Omitted 1957-58.)*

### *Legal Studies*

Professors HAVIGHURST,\* LATHAM, LOEWENSTEIN and ZIEGLER.

25. AMERICAN CONSTITUTIONAL DEVELOPMENT. *4 credit hrs.*

Professor LATHAM.

The development of American constitutional philosophy since 1787 under three general heads: the Agrarian Constitution, the *Laissez-Faire* Constitution, and the Welfare Constitution. Topics will include the Marshall and Taney eras, constitutional problems of slavery, the Civil War and Reconstruction, the constitutional foundations of 19th century capitalism, constitutional problems of federal and state regulation, civil liberties in the 20th century, the constitutional crisis of 1935-1937, and current problems of constitutional interpretation. Attention will be given to the judicial philosophies of the Federalist and Jacksonian judges, Field, Miller, Waite, Harlan, Holmes, Brandeis, Hughes, Stone, Black, and Frankfurter. Four hours of classroom work per week. (Same course as Political Science 25.) *Elective for Sophomores. First semester.*

42. ADMINISTRATIVE LAW. Professor ZIEGLER. *4 credit hrs.*

An introduction to the American system of legal control exercised by other law administering agencies than the courts, with special reference to doctrines developed by the Interstate Commerce Commission, Securities and Exchange Commission, Federal Trade Commission, and the National Labor Relations Board. The course deals with the formulation of legislative purposes and administrative policies; administrative and judicial responsibility for the enforcement of agency programs; and the nature and extent of judicial control over administrative action. (Same course as Political Science 42.) Prerequisite: Political Science 25 or Political

\* Absent on leave second semester.

Science 41. Three hours of classroom work per week. *Elective for Juniors; limited to twenty-five students. Second semester.*

44. INTERNATIONAL LAW. Professor ZIEGLER. 4 credit hrs.

The historical basis and present trends in the development of international law will be discussed and related to the social, economic, and political aspects of present day world politics and government. (Same course as Political Science 44.) Four hours of classroom work per week. *Elective for Juniors. Second semester. (Omitted 1957-58.)*

67. FOUNDATIONS OF ENGLISH LAW AND THE CONSTITUTION. 4 credit hrs.

Professor HAVIGHURST.

Origins of the English Constitution; growth of Common Law; evolution of Parliament; development of Monarchy. (Same course as History 67.) Three hours of classroom work per week. *Elective for Juniors; limited to twenty-five students. First semester.*

73-74. INTRODUCTION TO JURISPRUDENCE. 4 credit hrs.

Professor LOEWENSTEIN.

A critical examination of the origin, concept and ends of the law; the prominent legal concepts and schools of jurisprudence, and the prevailing forms of the legislative and judicial process, including a comparative analysis of the major systems of law. The course will stress the importance of law and justice as a part of human culture. Requisite: The consent of the instructor. (Same course as Political Science 73-74.) One three-hour seminar each week. *Elective for Seniors. (Omitted 1957-58.)*

## Mathematics

Professors BREUSCH, BROWN, and SPRAGUE; Visiting Associate Professor DURFEE; Assistant Professor WILLCOX, \* Mr. LOOMIS.

*Note:* A major in mathematics must elect 3, 23, 31, 32 and either 42 or 48 his senior year. All mathematics courses except 1-2 give major credit.

In addition to the general college requirements, a degree with honors is awarded on the basis of accomplishment in the courses in mathematics required for a major, in the conference course, and in any additional courses prescribed by the Department. A thesis may be required.

The content of the conference course varies from year to year. Topics that have been or may well be given are Complex Variable, Abstract Algebra, Algebraic Geometry, Differential Geometry and Topology.

1. Same course as Science 1. 4 credit hrs.

2. Same course as Science 2. 4 credit hrs.

3. CALCULUS. Professor SPRAGUE 4 credit hrs.

\* Absent on leave 1957-58.

Continuous functions, differentiation and integration of trigonometric and logarithmic functions and their inverses, curvature, curvilinear motion, curve tracing, theorem of mean value, formal integration, infinite series, simple partial differentiation. Requisite: Science 1 or its equivalent. Four hours of classroom work per week. *Elective for Sophomores. First semester.*

3S. CALCULUS. Professors BREUSCH and DURFEE. 4 credit hrs.

Same description as above. *Elective for Freshmen. Second semester.*

23S. DIFFERENTIAL EQUATIONS. Mr. LOOMIS. 4 credit hrs.

Treatment of ordinary differential equations with principal types of first and second order equations, linear equations with constant coefficients, simultaneous equations. Simple partial differential equations. Applications to geometry, physics and other branches of science. Requisite: Mathematics 3. Four hours of classroom work per week. *Elective for Sophomores. Second semester.*

31. ADVANCED CALCULUS. Professor BROWN. 4 credit hrs.

Brief treatment of determinants and solid analytic geometry, partial differentiation, implicit function theory, elements of vector analysis with applications. Requisite: Mathematics 3. Four hours of classroom work per week. *Elective for Sophomores. First semester.*

32. ADVANCED CALCULUS. Professor BROWN. 4 credit hrs.

Multiple integrals, line and surface integrals, transformation of integrals, Fourier series, complex functions. Requisite: Mathematics 31. Four hours of classroom work per week. *Elective for Sophomores. Second semester.*

33. DETERMINANTS AND MATRICES. Professor DURFEE. 3 credit hrs.

Vector spaces; matrices and linear transformations on a vector space; determinants and their role in linear algebra; diagonalization and canonical forms of matrices; some applications to other branches of science. Three hours of classroom work per week. *Elective for Sophomores. First semester.*

42. FUNCTIONS OF A COMPLEX VARIABLE. Professor BREUSCH. 3 credit hrs.

An introduction to analytic functions. Point sets, complex numbers, derivatives, conformal mapping, integrals. Cauchy's theorems, power series, singularities, Laurent series, analytic continuation, rational, entire, meromorphic and multiple-valued functions, Riemann surfaces. Requisite: Mathematics 31. Three hours of classroom work per week. *Elective for Juniors. Second semester, alternate years. (Omitted 1957-58.)*

43. THEORY OF NUMBERS. Professor WILLCOX. 3 credit hrs.

An introduction to the theory of rational integers. Divisibility, prime numbers, the unique factorization theorem, congruences, quadratic residues, Fermat's theorem, Diophantine equations. Three hours of classroom work per week. *Elective for Juniors. First semester, alternate years. (Omitted 1957-58.)*

46S. THEORY OF EQUATIONS. Mr. LOOMIS. 3 credit hrs.

Polynomials, the division transformation, Euclid's algorithm, solution of the cubic and quartic equations, mathematical induction, complex numbers, determinants, symmetric functions, the resultant, introduction to matrices. Requisite: Mathematics 3 or its equivalent. Three hours of classroom work per week. *Elective for Juniors. First semester, alternate years.*

48. DIFFERENTIAL GEOMETRY. Professor SPRAGUE. 3 credit hrs.

An introduction to the differential geometry of curves and surfaces; curvature, torsion, Frenet formulae; curvilinear coordinates, first and second fundamental form, surface curvature, lines of curvature, geodesics, fundamental equations. Requisite: Mathematics 31. Three hours of classroom work per week. *Elective for Juniors. Second semester, alternate years.*

79. CONFERENCE COURSE. The Department. 6 credit hrs.

*Elective for Seniors. First semester.*

80. CONFERENCE COURSE. The Department. 6 credit hrs.

*Elective for Seniors. Second semester.*

## Music

Professors MISHKIN \* and V. MORGAN; Assistant Professor LUDINGTON

*Note:* There are two programs available for students majoring in music.

1. The music major which does not include applied music consists of five required semester courses and at least four other semester courses offered by the Department. The required courses are: Music 25, Music 23-24, and Music 41-42.

2. Since a minimum of four semester courses in applied music is expected, a music major which includes applied music will consist of ten rather than the usual nine semester courses. The following courses are all required: Music 25, Music 23-24, Music 41-42, and two years of Music 29-30.

An individual program will be arranged for each candidate for the degree with honors in music at the beginning of junior year. Concentration

\* Absent on leave second semester.

may be in advanced theory, music history, or applied music. All honors candidates must elect Music 79-80 and, late in the final semester of senior year, they will be required to take a comprehensive oral examination. Other examinations, essays or recitals will be arranged according to the individual's program.

Music 25 or Music 25S and any other course except 23-24, 29-30, 47-48 may be used in satisfaction of the Sophomore humanities requirement.

**23. ELEMENTARY THEORY.** Professor MISHKIN. *4 credit hrs.*

A study of the rhythmic, melodic, and harmonic organization of musical tones with emphasis on the harmonic idiom of the eighteenth century. Triads and their inversions, non-harmonic tones, writing in the style of the Bach chorales, analysis, ear training. Limited to fifteen students. Requisite: ability to play all written work. Three hours of classroom work per week. *Elective for Sophomores. First semester.*

**24. ELEMENTARY THEORY.** *4 credit hrs.*

A continuation of Music 23. Seventh chords, secondary dominants, elementary phrase construction. Limited to fifteen students. Requisite: Music 23. Three hours of classroom work per week. *Elective for Sophomores. Second semester.*

**25. AN INTRODUCTION TO MUSICAL LITERATURE.** *3 credit hrs.*

Professor V. MORGAN

Western music from 1000 A.D. to the present time with emphasis on the eighteenth and nineteenth centuries. No previous study of music is required. *Elective for Sophomores. First semester.*

**25S. AN INTRODUCTION TO MUSICAL LITERATURE.** *3 credit hrs.*

Professor V. MORGAN.

Same course as Music 25. *Elective for Sophomores. Second semester.*

**29. APPLIED MUSIC.** *3 credit hrs.*

Courses are offered in the following branches of applied music: piano, organ, voice, violin, viola, violoncello. These courses may be elected by a limited number of students who satisfy the department, at an audition, that they are prepared to undertake the study of solo music literature of artistic worth. Students will normally be expected to begin their college work in applied music as freshmen or sophomores and to continue this study for two years. During the first two years of study three credit hours will be granted for each semester. Under exceptional circumstances a student may, with permission of the Dean, elect a third year for which there will be two credit hours per semester. No credit is granted for a single semester of applied music.

Students of keyboard and string instruments have one hour of private instruction per week and are required (a) to practice a minimum of nine hours per week, and (b) to elect in sophomore or junior year one other course offered by the department. In addition keyboard students are required to participate in a weekly session of ensemble playing, and string students to attend the weekly rehearsal of the Smith College Orchestra.

Students of voice have one hour of private instruction per week and are required (a) to practice a minimum of eight hours per week, (b) to sing with the glee club and (c) to elect in sophomore or junior year one other course offered by the department.

Private instruction will be given by the College Organist and members of the Departments of Music of Smith College and Mt. Holyoke College. A fee of \$75 per semester will be charged to cover this special type of instruction. *Elective for Sophomores and qualified Freshmen with the consent of the Department. First semester.*

**30. APPLIED MUSIC.** *3 credit hrs.*

A continuation of Music 29. *Elective for Sophomores and qualified Freshmen with the consent of the Department. Second semester.*

**41. SYMPHONIC MUSIC. Professor V. MORGAN.** *3 credit hrs.*

The development of orchestral literature from Haydn through Brahms; the symphony, concerto, and symphonic poem. Requisite: Music 25 or the consent of the Department. Three hours of classroom work per week. *Elective for Juniors. First semester.*

**42. MUSIC SINCE 1900. Professor LUDINGTON.** *3 credit hrs.*

Modern music in Europe and the United States from Debussy to Stravinsky. Requisite: Music 25 or the consent of the Department. Three hours of classroom work per week. *Elective for Juniors. Second semester.*

**43. CHORAL MUSIC. Professor LUDINGTON.** *3 credit hrs.*

The development of choral composition from Plainsong to the contemporary idioms with emphasis on Bach, Handel and Beethoven. Requisite: Music 25 or the consent of the Department. Three hours of classroom work per week. *Elective for Juniors. First semester. (Omitted 1957-58.)*

**44. BEETHOVEN. Professor V. MORGAN.** *3 credit hrs.*

A study of the piano, chamber, and orchestral music. Requisite: Music 25 or the consent of the Department. Three hours of classroom work per week. *Elective for Juniors. Second semester in alternate years.*

**45. BACH. Professor MISHKIN.** *3 credit hrs.*

The Bach style studied in relation to the development of music from

1600. Requisite: Music 25 or the consent of the Department. Three hours of classroom work per week. *Elective for Juniors. First semester in alternate years.*

46. THE OPERA. Professor V. MORGAN. 3 credit hrs.

The development of the musical drama with emphasis on a detailed study of operatic types. Representative works by Mozart, Verdi, and Wagner. Requisite: Music 25 or the consent of the Department. Three hours of classroom work per week. *Elective for Juniors. Second semester in alternate years. (Omitted 1957-58.)*

47. CHROMATIC HARMONY AND ANALYSIS. Professor MISHKIN. 3 credit hrs.

A continuation of Music 23-24 with emphasis on the harmonic idioms of the nineteenth and twentieth centuries. Composition in the smaller forms. Requisite: Music 24. Three hours of classroom work per week. *Elective for Juniors. First semester.*

48. TONAL COUNTERPOINT. Professor MISHKIN. 3 credit hrs.

Contrapuntal technique of the eighteenth century, invertible counterpoint, canon, and two part inventions. Requisite: Music 24. Three hours of classroom work per week. *Elective for Juniors. Second semester. (Omitted 1957-58.)*

49. WAGNER AND THE MUSIC DRAMA. 3 credit hrs.

Professor LUDINGTON.

A study of Richard Wagner as man and artist: his music dramas in relation to the aesthetic theories of German dramatists and philosophers of the nineteenth century. No previous study of music is required. Two hours of classroom work and one seminar discussion per week. *Elective for Juniors. First semester.*

50. MUSIC OF THE ROMANTIC PERIOD. Professor V. MORGAN. 2 credit hrs.

A study of the Romantic idiom with special reference to the chamber music, piano music and lieder of Schubert, Schumann, Mendelssohn, Chopin, Liszt, Brahms and Wolf. Requisite: Music 25 or the consent of the Department. *Elective for Juniors and qualified Sophomores. Second semester in alternate years. (Omitted 1957-58.)*

51. MUSIC IN THE ELIZABETHAN AGE. Professor MISHKIN. 2 credit hrs.

Music in sixteenth century England and its relation to the cultural and social life of the times. No technical knowledge of music is presupposed. Two hours of classroom work per week. *Elective for Juniors. First semester in alternate years. (Omitted 1957-58.)*

52. MOZART AND THE CLASSICAL STYLE. Professor MISHKIN. 2 credit hrs.

A study of the classical idiom with special reference to the instrumental and vocal music of W. A. Mozart. Requisite: Music 25 or the consent of

the Department. *Elective for Juniors and qualified Sophomores. Second semester in alternate years. (Omitted 1957-58.)*

79. CONFERENCE COURSE. The Department. *6 credit hrs.*

Studies in history or advanced theory. *Elective for qualified seniors. First semester.*

80. CONFERENCE COURSE. The Department. *6 credit hrs.*

A continuation of Music 79. *Elective for qualified seniors. Second semester.*

### *Philosophy*

Professors HOLMES and KENNEDY; Associate Professors EPSTEIN and KENNICK; Assistant Professors GOULD\* and NIELSEN

*Note:* The courses open to Sophomores: Introduction to Philosophical Literature, Ethics, and Logic, may count towards a major in Philosophy. All majors in Philosophy are required to take Philosophy 43 and 44.

Candidates for the degree with honors in Philosophy are required to take the courses numbered 23, 24, 43, 44, 79, and 80, and will elect their further courses with the approval of the Department. Each candidate will write, in conjunction with the conference courses in the senior year, an original essay on a topic which has been approved by the Department. He will take, early in May of senior year, two written and one oral examinations. One written examination will be on the general history of European and American Philosophy. The other written examination will be on some field of philosophy which the candidate may select, with the approval of the Department--metaphysics and philosophy of science, logic and theory of knowledge, ethics and social philosophy, aesthetics, history and philosophy of religion. The oral examination will be a defense by the candidate of his original essay before a committee of members of the Philosophy and affiliated Departments. Recommendation for the various degrees of honors will be made by the Department on the basis of the original essay and the three examinations.

Majors and majors with honors may also be taken in the following combined fields:

- Philosophy and Classics
- Philosophy and English
- Philosophy and History
- Philosophy and Political Science
- Philosophy and Psychology
- Philosophy and Religion

The selection of courses to constitute such combined majors, the topic for an original essay and the arrangements for comprehensive examination

\* *Absent on leave second semester.*

tions must in each case be approved by representatives of the two departments concerned. Recommendation for the various degrees with honors will be made by committees composed of members of the two departments concerned.

**21. INTRODUCTION TO PHILOSOPHICAL LITERATURE.** *3 credit hrs.*  
Professors HOLMES and EPSTEIN.

Training in the reading of philosophical literature. Classical and contemporary authors, chosen to exemplify the different basic types of philosophical thought, will be discussed. This course may be taken to meet part of the sophomore requirement in connection with the Humanities. Three class hours per week. *Elective for Sophomores. First semester.*

**21S. INTRODUCTION TO PHILOSOPHICAL LITERATURE.** *3 credit hrs.*  
Professors EPSTEIN and NIELSEN.

Training in the reading of philosophical literature. Classical and contemporary authors, chosen to exemplify the different basic types of philosophical thought, will be discussed. This course may be taken to meet part of the sophomore requirement in connection with the Humanities. Three class hours per week. *Elective for Sophomores. Second semester.*

**23. LOGIC AND SCIENTIFIC METHOD.** Professor EPSTEIN. *3 credit hrs.*

The basic character of scientific knowledge; the fundamental principles of inference operative in experimental inquiry; an introductory discussion of representative philosophical interpretations of the foundations of science. Material taken from the physical, biological and social sciences will be treated from the standpoint of three main topics: (1) Concept formation and formulation of hypotheses, (2) Formal logic and the deductive development of theories, (3) Statistical inference and the verification of hypotheses. (No previous training in the sciences or philosophy is presupposed.) Three class hours per week. *Elective for Sophomores. First semester.*

**24. ETHICS.** Professor NIELSEN. *3 credit hrs.*

The bases of morality; theory of the moral life; moral issues involved in social problems. This course may be taken to meet part of the sophomore requirement in connection with the Humanities. Three class hours per week. *Elective for Sophomores. Second semester.*

**26. TYPES OF LOGICAL THEORY.** Professor EPSTEIN. *2 credit hrs.*

A comparative study of the significance for methodology and the theory of knowledge of different types of logical system, together with a critical evaluation of the associated concepts of proof. Two class hours per week.

Requisite: Philosophy 23 or consent of the instructor. *Elective for Sophomores. Second semester.*

41. PHILOSOPHY OF EDUCATION. Professor KENNEDY. 3 credit hrs.

A comparative and critical study of contemporary theories of education, in terms both of their historical origins and of current problems and controversies. Three class hours per week. Given in alternate years. *Elective for Juniors. First semester. (Omitted 1957-58.)*

43. HISTORY OF ANCIENT AND MEDIEVAL PHILOSOPHY. 4 credit hrs.

Professor KENNICK.

A survey of European philosophy from the early Greeks to the end of the Middle Ages, with emphasis on Plato, Aristotle, the Stoics, the Epicureans and some Christian philosophers. Reading and discussion of selected works of the period. Four class hours per week. *Elective for Juniors. First semester.*

44. HISTORY OF MODERN PHILOSOPHY. Professor KENNICK. 4 credit hrs.

A survey of European philosophy in the seventeenth, eighteenth, and nineteenth centuries, with emphasis on Descartes, Spinoza, Locke, Hume, and Kant. Reading and discussion of selected works of the period. Four class hours per week. *Elective for Juniors. Second semester.*

45. PHILOSOPHY OF RELIGION. Professor MARTIN. 3 credit hrs.

(Same course as Religion 45.) An examination of some basic religious concepts in the light of philosophical analysis. Among topics to be considered are the nature and status of religious knowledge, the existence and nature of God, and some religious views of human nature and conduct. Three class hours per week. *Elective for Juniors. First semester.*

47. AMERICAN PHILOSOPHY. Professor NIELSEN. 3 credit hrs.

A study of the modern period in American thought. Reading and discussion of works by Peirce, James, Santayana, Veblen, Dewey and Whitehead. Three class hours per week. *Elective for Juniors. First semester.*

49. CONTEMPORARY RELIGIOUS THOUGHT. Professor MARTIN. 3 credit hrs.

(Same course as Religion 49.) *Elective for Juniors. First semester. (Omitted 1957-58.)*

51. AESTHETICS. Professor KENNICK. 3 credit hrs.

A comparative and critical examination of the principal theories of the nature of art, the creative process, aesthetic experience, "beauty" or aesthetic value, and of the principles of appreciation and the standards of criticism. Special emphasis is placed upon the thought of modern phi-

losophers and critics. Three class hours per week. *Elective for Juniors. First semester.*

**53. PLATO AND ARISTOTLE.** Professor GOULD 4 credit hrs.

(Same course as Classics 53.) Several major works by each of these philosophers will be read in their entirety and discussed in class. The chief aim of the course will be to achieve a comprehension of the major philosophical positions of these writers, though some attention will also be paid to the historical development, the antecedents, and the subsequent influence of their ideas. All readings will be in English. Three class hours per week. *Elective for Juniors. Limited to twenty-five students. First semester.*

**71. REPRESENTATIVE PHILOSOPHERS.** Professor NIELSON 4 credit hrs.

A critical study of the development of contemporary British Philosophy. Problems of meaning and language will be discussed and their relevance to specific philosophic problems examined. Requisite: A grade of B in two semester courses in philosophy. Two class hours per week. *Elective for Seniors; limited to fifteen students. First semester.*

**72. REPRESENTATIVE PHILOSOPHERS.** Professor KENNEDY. 4 credit hrs.

A critical study of selected writings by Marx, Freud and Dewey with emphasis upon the relevance of their thought to contemporary social and political philosophy. Requisite: a grade of B in two semester courses in philosophy, or the consent of the instructor. One two-hour period per week. *Elective for Seniors; limited to fifteen students. Second semester.*

**74. METAPHYSICS.** Professor KENNICK. 1 credit hr.

A comparative and critical examination of some metaphysical concept (e.g., Substance, Event, Time) or of the answers, both classical and modern, to some metaphysical question. This examination will not be made for historical purposes but will presuppose some knowledge of the major figures in the history of philosophy. Requisite: Philosophy 43 and Philosophy 44, or the consent of the instructor. One class hour per week. *Elective for Seniors. Second semester.*

**79. CONFERENCE COURSE.** The Department. 4-8 credit hrs.

Required of candidates for honors in philosophy. Detailed outline of thesis and adequate bibliography for project required before Thanksgiving; preliminary version of substantial portion of thesis by end of semester. *Elective for Seniors. First semester.*

**80. CONFERENCE COURSE.** The Department. 4-8 credit hrs.

Required of candidates for honors in philosophy. *Elective for Seniors. Second semester.*

## *Physical Education*

Professors ECKLEY, LUMLEY, McLAUGHRY, MARSH, and RICHARDSON; Associate Professors McCABE, ROSTAS\* and WILSON; Assistant Professors DUNBAR, and GOWEN; Messrs. SERUES and VAN PETERSILGE.

Complete physical examination, physical fitness tests, special exercises for individual development and a program of instruction and participation in team games and sports. *Required for Freshmen and Sophomores and men who have not met the department standards in swimming, fitness, team games, and recreational sports.*

## *Physics*

Professors ARONS† and SOLLER; Associate Professor BENSON; Assistant Professors GORDON, ROMER and TOWNE; Mr. DEMPESY

Any student considering the possibility of majoring in physics should seek the advice of a member of the physics staff as early as possible in order to plan his program wisely. This program will vary with the student's interest and ability. For example, besides the program intended for those who intend to go on for graduate work, there are other programs more appropriate for students who need a good background in physics either as teacher in secondary schools, or in industry or business on a non-engineering basis. For both rite and honors students, provision is also made for a major in the important and rapidly growing fields of chemical physics or bio-physics, as well as for a pre-medical program.

### *Course Requirements*

The following courses are required for all physics majors: Physics 22, 51, 52, 53, Science 43, and in addition to these, certain courses as listed below:

a) *Major (rite):* Either Physics 56 or 77; and Physics 76. The balance of the 30 hours required for any major may be satisfied by any combination of the following: any other physics courses, any course in Astronomy, Mathematics 23, 31, 32; Chemistry 24, 41, 42.

b) *Major with honors:* Physics 54, 75, 76, 79, 80; Mathematics 31, 32. Any student who intends to do graduate work in physics should register for honors work, but the honors program is available to other qualified students as well. It is practically imperative that a student who wishes to do graduate work in physics take courses Physics 51, 52, 53, and 54 in his Junior year, and Physics 75 and 76 in his Senior year.

The aim of honors work in physics is to provide an opportunity for the student to develop under faculty direction his ability and interest in

\* Absent on leave second semester.

† Absent on leave 1957-58.

individual investigation, and his skill in experimental or theoretical techniques. The primary fields of experimental research in progress in the department are low temperature physics, nuclear magnetic resonance, and mass spectrometry and oceanography. In addition, however, experimental equipment is available for work in some phases of magnetism, ultrasonics, optics, electronics, and nuclear physics. The student is given facilities to review the literature in the field chosen, to design, construct and assemble his experimental equipment, and to make observations. During the spring, he is required to present his work in the Physics Seminar, and to prepare a thesis, which is due on May 1.

In addition, the honors student is required to take comprehensive examinations, two written and one oral. The first written examination is given at the end of the first semester of the senior year and is designed to test his grasp of fundamental physical principles. The student's achievement on this examination, together with his progress on his honors problem, will determine the advisability of his continuing the honors program. The purpose of the second written examination, which is given during the latter part of May, is to test the student's comprehension of the basic ideas and methods of the more advanced phases of physics. The oral examination by the department is usually primarily on the thesis and allied topics.

The departmental recommendation for the various degrees of honors will be based on the student's record in the Department, the honors work, and the comprehensive examinations.

c) *Major in biophysics or chemical physics:* It is strongly urged that the prospective biophysics or chemical physics major begin planning in his Freshman year, and arrange his program, which is a demanding one, with members of the physics department.

1. Same course as Science 1.	4 credit hrs.
2. Same course as Science 2.	4 credit hrs.

22. INTRODUCTORY COURSE. Professor BENSON.	4 credit hrs.
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A course which takes up various blocks of subject matter and essential physical concepts not covered in Science 1, 2. Required for most science majors and all pre-medical students. Mechanics, fluids, thermodynamics, electricity, optics. Emphasis on use of mathematics and solution of problems. Four hours of lectures and class discussions and one laboratory period per week. Requisite: Science 1, 2. *Elective for Sophomores. Second semester.*

22S. INTRODUCTORY COURSE. Mr. DEMPESY.	4 credit hrs.
Same Course as 22. <i>Elective for Sophomores. First Semester.</i>	

## 51. MECHANICS. Mr. DEMPESY.

3 credit hrs.

Newtonian dynamics and statics of particles and rigid bodies from a vector point of view. Special emphasis is placed upon a thorough treatment of periodic motion. Three hours of lectures and discussions per week. Requisite: Physics 22, Mathematics 3. *Elective for Juniors. First semester.*

## 52. WAVE PHENOMENA. Professors TOWNE and GORDON.

4 credit hrs.

General characteristics of wave motion—the wave equation, energy relationships, diffraction, interference, reflection, refraction and polarization. Each phenomenon will be discussed in the context of either optics or acoustics depending upon the relative importance of its applications in the two fields. Four hours of lectures and problems and one laboratory period per week. Requisite: Physics 51. *Elective for Juniors. Second semester.*

## 53. ELECTRICITY AND MAGNETISM I. Professor SOLLER.

4 credit hrs.

Fundamentals of electrical and magnetic measurements, and fundamental direct- and alternating-current theory, including bridge methods and coupled circuits. Three hours of lectures and discussion, and one laboratory period per week. Requisite: Physics 22, Math 3, and concurrent registration in Physics 51, except by special permission of the instructor. *Elective for Juniors. First semester.*

## 54. ELECTRICITY AND MAGNETISM II. Professor BENSON.

3 credit hrs.

Introduction to electromagnetic theory, employing vector methods throughout. Potential theory, electrostatics, electric currents, magnetism, induced emfs, Maxwell's equations, electromagnetic waves, and Poynting's theorem. Three hours of lectures and discussions per week. Requisite: Physics 51, 53, Mathematics 31, 32 (concurrent). *Elective for Juniors. Second Semester.*

## 56. ELECTRONICS. Professor SOLLER.

3 credit hrs.

Characteristics of vacuum and gas filled thermionic tubes, and their application in a variety of circuits, with emphasis on circuits which are important in scientific work, rather than in communication. Two lectures or discussions, and one laboratory period per week. Enrollment in course limited. Requisite: Physics 53 and the consent of the instructor. *Elective for Juniors. Second semester.*

## 73. THEORETICAL PHYSICS. Professor TOWNE.

4 credit hrs.

Advanced dynamics and quantum mechanics. Lagrangian and Hamiltonian formulations of classical mechanics. Hamilton-Jacobi Theory. Solution of the Schrodinger wave-equation for simple systems, with emphasis upon interpretation of the results. Four hours of lectures or semi-

nars per week. Requisite: Physics 51 and the consent of the instructor. *Elective for Seniors. First semester.*

75. THERMODYNAMICS. Professor GORDON. *4 credit hrs.*

Generalization of the ideas of work, heat, energy. Mathematics of thermodynamics. First and Second Laws with applications to one component systems. Thermodynamic functions as criteria of equilibrium. Interpretation of thermodynamic laws and functions in terms of the behavior of aggregations of atoms and molecules. Requisite: Physics 52, 54. *Elective for Seniors. First semester.*

76. MODERN PHYSICS. Professor ROMER. *4 credit hrs.*

Changes in views of space, time, matter and radiation resulting from 20th century developments in physics. Special theory of relativity, black-body radiation, photo-electric effect, quantum theory of specific heats of solids and gases, Bohr's quantum theory, the wave aspects of matter and an introduction to the Schrödinger equation and the Heisenberg uncertainty principle. Application of the Schrödinger equation to some atomic systems. The exclusion principle and the modern explanation of the periodic table. Some topics from nuclear physics. Requisites: Physics 52 and 53. *Elective for Seniors. Second semester.*

77. ADVANCED LABORATORY. Professor ROMER. *2 credit hrs.*

An introduction to some techniques which are essential in experimental physics, and selected modern physics experiments. Machine shop work, the Millikan oil-drop experiment, the Franck-Hertz and photo-electric experiments, nuclear magnetic resonance, nuclear counting procedures. Other experiments can be chosen by the student. Four hours of laboratory per week. *Elective for Senior physics majors. First semester.*

79-80. HONORS COURSE. The Department. *6 credit hrs.*

Individual, independent work on some problem, usually in experimental physics. Reading, consultation and seminars, and laboratory work. *Elective for Seniors who have been admitted to the honors program. First and second semester.*

### *Political Science*

Professors LATHAM, LOEWENSTEIN, and ZIEGLER;

Messrs. MORRISSEY, KESSEL and KATEB.

*Note:* Beginning with the class of 1957, a major in political science consists of eight courses in political science. All majors are required to take 21 or 21S, Introduction to Political Science, and 31, American Government. For majors in the Department, 21 or 21S is a prerequisite or corequisite for all courses in the Department. In addition, the Depart-

ment requires each major to take one of the courses in each of the following fields: Comparative Government, International Law and Relations, and Political Theory. Rite majors must take a seminar course in the Department in either their Junior or Senior year. Students not majors in the Department may take any course in the Department with the consent of the instructor.

The honors program is designed to provide students through advanced work in political science, with the full opportunity for independent research and writing. In addition to the courses prescribed for all majors, honors candidates are required to take 79 and 80, and to prepare a substantial thesis based upon independent research, upon which they will be examined orally. In addition, they will be required to pass a written comprehensive examination on the four fields offered by the Department, in the spring of their Senior year.

**21. INTRODUCTION TO POLITICAL SCIENCE.** Professor LATHAM. *4 credit hrs.*

An analytical treatment of the role of politics in human society. Attention will be given to the theoretical and historical bases of political institutions, the social roots of political behavior, and the characteristics of the political process. Four hours of classroom work a week. Prerequisite or corequisite for all Political Science courses taken by Political Science majors. *Elective for Sophomores. First semester.*

**21S. INTRODUCTION TO POLITICAL SCIENCE**

*4 credit hrs.*

Professor LATHAM.

Same description as above. Prerequisite or corequisite for all Political Science courses taken by Political Science majors. *Elective for Sophomores. Second semester.*

**23. ELEMENTS OF MODERN POLITICS.** Professor LOEWENSTEIN. *3 credit hrs.*

A systematic introduction to the understanding of the political process in the modern world and an analysis of the interrelationship of state, government, and people in the formation and exercise of political power. Three hours of classroom work per week. *Students enrolled in this course are required to take Political Science 35 (1 credit hr.). Elective for Sophomores. First semester. (Omitted 1957-58).*

**24. PATTERNS OF GOVERNMENT.**

*4 credit hrs.*

A comparative study of the functions, techniques, and institutions of political society as reflected by the different forms of states and government, with special emphasis on the theory and practice of contemporary democratic and autocratic government. Four hours of classroom work per week. *Elective for Sophomores. Second semester. (Omitted 1957-58.)*

## 25. AMERICAN CONSTITUTIONAL DEVELOPMENT.

4 credit hrs.

Professor LATHAM.

The development of American constitutional philosophy since 1787 under three general heads: the Agrarian Constitution, the Laissez-Faire Constitution, and the Welfare Constitution. Topics will include the Marshall and Taney eras, constitutional problems of slavery, the Civil War and Reconstruction, the constitutional foundations of 19th century capitalism, constitutional problems of federal and state regulation, civil liberties in the 20th century, the constitutional crises of 1935-1937, and current problems of constitutional interpretation. Attention will be given to the judicial philosophies of the Federalist and Jacksonian judges, Field, Miller, Waite, Harlan, Holmes, Brandeis, Stone, Black, and Frankfurter. Four hours of classroom work per week. *Elective for Sophomores. First semester.*

## 27. POLITICAL PARTIES. Mr. MORRISSEY and the Department.

4 credit hrs.

The role of the people, parties and pressure groups in the politics of American democracy. Special attention to: the basic features of American political parties, with European comparisons and contrasts; the work of politicians, bosses and machines; the running of election campaigns; the character and behavior of the electorate; the competition for power among business, labor, agriculture, and the other major organized interests in the community. Three hours of classroom work per week plus participation and further work in political campaigns. *Elective for Sophomores. First semester.*

## 29. INTERNATIONAL POLITICS.

3 credit hrs.

A critical analysis of the forces and techniques engaged in the ideological power conflict in the Mid-Twentieth century. The course will deal with the material and psychological elements of national power, the foreign policy of the Great Powers, the role of law, diplomacy and violence in present day world politics, and the prospects of peace or war in a bipolarized world. Three hours of classroom work per week. Students enrolled in this course are required to enroll also in Political Science 35 as a fourth credit hour. *Given in alternate years. Elective for Sophomores First semester. (Omitted 1957-58.)*

## 31. AMERICAN GOVERNMENT. Professor ZIEGLER.

4 credit hrs.

An introduction to the major problems of American democracy; their political, economic, and social implications and their historical evolution. Politics and administration in their relation to constitutional government, federalism, suffrage, governmental functions, etc. Required for all majors in the Department. Four hours of classroom work per week. *Elective for Sophomores. First semester.*

35. ISSUES OF INTERNATIONAL POLITICS. Professor LOEWENSTEIN. *1 credit hr.*

An analysis of relevant topics and currents of contemporary international politics. The selection of the issues will be conditioned by their significance for the conflict between power politics and peaceful cooperation. Lectures and discussion. One hour of classroom work per week. *Elective for Juniors. The course must also be taken by Sophomores simultaneously enrolled in Political Science 23. First semester. (Omitted 1957-58.)*

## 41. THE ADMINISTRATION OF PUBLIC POLICY.

*4 credit hrs.*

Professor LATHAM.

An introduction to the problem of bureaucracy in modern government with attention to social factors that shape and condition administrative structures; group behavior in administrative agencies; the theory of organization in its formal and informal aspects; functions of the executive; the management of money and people; the formulation of policy; and the behavior of rival bureaucracies—private and public. Three hours of classroom work per week. *Elective for Juniors. Limited to twenty students. First semester. (Omitted 1957-58.)*

## 42. ADMINISTRATIVE LAW. Professor ZIEGLER.

*4 credit hrs.*

An introduction to the American system of legal control exercised by other law administering agencies than the courts, with special reference to doctrines developed by the Interstate Commerce Commission, Securities and Exchange Commission, Federal Trade Commission, and the National Labor Relations Board. The course deals with the formulation of legislative purposes and administrative policies; administrative and judicial responsibility for the enforcement of agency programs; and the nature and extent of judicial control over administrative action. Three hours of classroom work per week. *Requisite: Political Science 25 or Political Science 41. Elective for Juniors. Limited to 25 students. Second semester.*

## 44. INTERNATIONAL LAW. Professor ZIEGLER.

*4 credit hrs.*

The historical basis and present trends in the development of international law will be discussed and related to the social, economic, and political aspects of present day world politics and government. Four hours of classroom work per week. *Elective for Juniors. Second semester. (Omitted 1957-58.)*

## 45. COMPARATIVE POLITICAL INSTITUTIONS.

*4 credit hrs.*

Professor LOEWENSTEIN.

A pragmatic approach to the causes and manifestations of the present world revolution, focusing on the political transformation under way in the various states and on the correlation of social structure and political organ-

izations. Major attention will be paid to important political documents. One three-hour seminar each week. *Elective for Juniors with the consent of the instructor; limited to fifteen students with the consent of the instructor. First semester.*

46. THE ORGANIZATION OF THE INTERNATIONAL SOCIETY. *4 credit hrs.*  
Professor LOEWENSTEIN.

A study of the political, economic, and social forces shaping international relations and their attempted solutions through international organization, with special emphasis on the United Nations and other methods of international cooperation. The course will be geared as closely as possible to current developments on the international scene. One three-hour seminar each week. *Elective for Juniors with the consent of the instructor; limited to fifteen students. Second semester.*

48. PROBLEMS IN PUBLIC ADMINISTRATION. Professor LATHAM. *4 credit hrs.*  
Selected topics in the politics of public administration. One two-hour classroom meeting a week. *Elective for Juniors. Limited to twenty-five students with the consent of the instructor. Second semester.*

50. STRUCTURE AND PROCESS OF STATE AND LOCAL GOVERNMENT.  
Mr. MORRISSEY. *3 credit hrs.*

Development and philosophy of the American federal system; constitutional bases of state and local government; state and local administrative problems; formal and informal distribution of political power in local communities. Three hours of classroom work a week. *Elective for Juniors. Second semester.*

55. AMERICAN POLITICAL THEORY. Mr. KATEB. *3 credit hrs.*

A survey of major ideological conflicts in American thought from colonial times to the present, with emphasis upon the evolving concept of American democracy. Special attention to democratic and anti-democratic assumptions embodied in radical, liberal, conservative, and socialist theories of state and society as they have appeared in America. Where appropriate, the relation between American and European political theory will be considered. Alternates with Political Science 27. Three hours of classroom work per week. *Elective for Juniors with the consent of the instructor. First semester. (Omitted 1957-58).*

57. HISTORY OF POLITICAL THOUGHT. Mr. KATEB. *4 credit hrs.*

Problems of political thought from the Greeks to the nineteenth century. Three hours of classroom work per week. *Elective for Juniors. Limited to twenty-five students. First semester.*

## 58. MODERN POLITICAL THEORY. Mr. KATEB.

4 credit hrs.

The mainstream of political thought, European and American, in the nineteenth and twentieth centuries: liberalism, conservatism, democracy, socialism, communism, fascism, the recent controversy over economic planning and economic reconstruction for democratic survival. Four hours of classroom work per week. *Elective for Juniors. Second semester.*

## 71S. PUBLIC OPINION AND PROPAGANDA.

4 credit hrs.

A study of the role and influence of public opinion and propaganda in democratic and totalitarian political systems. Topics will include the place of public opinion in political theory, propaganda warfare in international politics, party propaganda in American campaigns and elections, the activities of the opinion industries, the public relations of business, religious, farm, labor, and patriotic organizations, public opinion measurement and censorship. Four hours of classroom work per week. *Elective for Juniors. Second semester. (Omitted 1957-58.)*

## 73-74. INTRODUCTION TO JURISPRUDENCE.

4 credit hrs.

Professor LOEWENSTEIN.

A critical examination of the origin, concept and ends of the law; the prominent legal concepts and schools of jurisprudence, and the prevailing forms of the legislative and judicial process, including a comparative analysis of the major systems of law. The course will stress the importance of law and justice as a part of human culture. Requisite: The consent of the instructor. One three-hour seminar each week. *Elective for Seniors. (Omitted 1957-58.)*

## 79-80. HONORS COURSE. The Department.

6 credit hrs.

*Elective for Seniors who have satisfied the necessary requirements. First and second semesters.*

## *Psychology*

Professors KOESTER and COPLIN;

Associate Professor GROSE; Assistant Professor BIRNEY

A major in psychology consists of either (1) thirty credit hours of work in psychology, or (2) a combination of twenty-two hours in psychology and eight hours in related fields.

Interdepartmental majors may be elected in psychology-biology and psychology-philosophy.

Honors work in the department consists of the following: 1) in his junior year the student prepares himself for psychological research by taking the junior honors course designed for this purpose; 2) in his senior year the student undertakes a research project and pursues a guided reading program aimed at broadening his understanding of psychological analysis and findings. Psychology 21 should be elected in the sophomore year by the student planning to do honors work.

Senior majors in psychology who are not in the honors program will be given an opportunity to engage in individual work in one or both semesters of the senior year. For this purpose Psychology 79 may be elected for either 3 or 4 credit hours during the first semester and Psychology 74 during the second semester.

**21. INTRODUCTION TO PSYCHOLOGY. Professor KOESTER. 4 credit hrs.**

An analysis of human behavior and experience in terms of concepts and general principles formulated on the basis of findings obtained by a variety of psychological methods. One of the major objectives of the course is the introduction of the student to procedures that are being used in the attempt to develop a scientific body of psychological knowledge. Emphasis will be placed upon the contributions of psychology to an understanding of those factors which significantly influence the development of human personality. Three class meetings per week and laboratory sessions. *Elective for Sophomores. First semester.*

**21S. INTRODUCTION TO PSYCHOLOGY. Professor KOESTER. 4 credit hrs.**

Same course as Psychology 21. *Elective for Sophomores. Second semester.*

**22. SOCIAL PSYCHOLOGY. Professor BIRNEY. 3 credit hrs.**

A psychological analysis of man's behavior with emphasis upon social influences. Attention will also be given to various aspects of group behavior. Three class meetings per week. Requisite: Psychology 21. *Elective for Sophomores. Second semester.*

**24S. DEVELOPMENTAL PSYCHOLOGY. Professor BIRNEY. 3 credit hrs.**

A study of the development of the most important aspects of behavior from birth to old age. The typical course of development and the factors which influence development are considered concurrently. Major emphasis is placed on problems of development in childhood and adolescence. Three class meetings per week. Requisite: Psychology 21. *Elective for Juniors. First semester.*

## 41. ABNORMAL PSYCHOLOGY. Professor COPLIN.

3 credit hrs.

A study of the major classes of psychological disorder, based on experimental and clinical findings. Particular attention is given to the causes and underlying mechanisms of the various abnormalities. Three class meetings per week. Requisite: Psychology 21. *Elective for Juniors. First semester.*

## 42S. EDUCATIONAL PSYCHOLOGY. Professor GROSE.

3 credit hrs.

A psychological analysis of the educational process. The course is designed both for the prospective teacher and those who have a general interest in the field of education. One two-hour seminar per week. Requisite: Psychology 21. *Elective for Juniors with the consent of the instructor. Limited to fifteen students. First semester.*

## 43. MOTIVATION. Professor BIRNEY.

3 credit hrs.

A study of the directional determinants of behavior based upon empirical techniques and findings. Two class meetings and one laboratory session per week. Requisite: Psychology 21. *Elective for Juniors, with the consent of the instructor. First semester.*

## 44. PSYCHOLOGICAL TESTS AND MEASUREMENTS.

3 credit hrs.

Professor GROSE.

An introduction to the basic principles of psychological tests and measurements used in research and in various areas of applied psychology. Attention will be given to the construction, administration, and interpretation of representative group and individual tests of intelligence, personality, aptitude, and achievement. Two class meetings and one laboratory session per week. Requisite: Psychology 21. *Elective for Juniors. Second semester.*

## 45. EXPERIMENTAL DESIGN AND STATISTICAL ANALYSIS.

2 credit hrs.

Professor KOESTER.

A study of basic considerations concerning the design of psychological experiments and an introduction to the statistical methods commonly employed in the analysis of psychological research data. Three class meetings per week. Requisite: Psychology 21. *Elective for Juniors. First semester.*

## 46. PSYCHOLOGY OF PERSONALITY. Professor KOESTER.

4 credit hrs.

A study of personality and its determinants with emphasis upon empirical findings and theoretical formulations. One two-hour seminar per week. Requisites: Psychology 21 and two additional courses in psychology, preferably Psychology 41 and 44. *Elective for Juniors with the consent of the instructor. Limited to 15 students. Second semester.*

47. PHYSIOLOGICAL PSYCHOLOGY. *4 credit hrs.*

An examination of findings, principles, and theories concerning the relationship between physiological and psychological events, including neuropsychological relationships. Three class meetings per week and laboratory work. Requisite: Psychology 21. *Elective for Juniors. First semester. (Omitted 1957-58.)*

48. LEARNING AND PERCEPTION. *4 credit hrs.*

An analysis of: 1) the fundamental conditions and principles of learning, both animal and human; 2) perceptual phenomena and their determinants. Three class meetings and one laboratory session per week. Requisite: Psychology 21. *Elective for Juniors. Second semester. (Omitted 1957-58).*

51. PSYCHOLOGICAL THEORY. *4 credit hrs.*

An examination and critical evaluation of selected theoretical formulations in the field of Psychology. Some attention will be given to the special problems that must be faced in psychological theorizing and emphasis will be placed upon the influence of various types of theory upon contemporary psychological research. Two lectures and one seminar per week. Requisite: Psychology 21. *Elective for Juniors. First semester. (Omitted 1957-58).*

70. JUNIORS HONORS. The Department. *2 credit hrs.*

Elective for Juniors who plan to do senior honors work. Requisites: Psychology 21 and 45. *Second semester.*

72. MARRIAGE AND THE FAMILY. Professor COPLIN. *1 credit hr.*

An introduction to marriage and the family with emphasis upon psychological, biological, and sociological findings. One class meeting per week. *Elective for Seniors. Second semester.*

74. SELECTED PROBLEMS IN PSYCHOLOGY. Professor BIRNEY. *4 credit hrs.*

This course is designed solely for the senior who majors in psychology without honors. Each student will be expected to read extensively with reference to some selected problem area in psychology and to write a paper summarizing his findings. Periodic meetings of the group will be held for the twofold purpose of providing assistance in techniques of dealing with a problem and obtaining progress reports. An oral examination will be given after the paper is submitted. Requisite: 15 credit hours of work in Psychology. *Elective for Seniors. Second semester.*

79-80. SENIOR HONORS. The Department. *6-8 credit hrs.*

Requisites: Psychology 21, 45, 70 and two additional courses in Psychology. *Elective for Seniors. First and Second semesters.*

*Public Speaking*

Professor GARRISON

*Note:* Public Speaking 42 and 44 may be elected by students who have not taken Public Speaking 41 and 43.

21. FUNDAMENTALS OF ORAL EXPRESSION. 1 credit hr.

Professor GARRISON.

One hour of classroom work per week. *Required of Sophomores. First semester.*

22. FUNDAMENTALS OF ORAL EXPRESSION. 1 credit hr.

Professor GARRISON.

One hour of classroom work per week. *Required of Sophomores. Second semester.*

41. EXTEMPORANEOUS SPEAKING; TECHNIQUES AND TYPES OF SPEAKING.

PSYCHOLOGY OF PERSUASION.

3 credit hrs.

Professor GARRISON.

Requisite: A grade of "B" in Public Speaking 21-22 and the consent of the instructor. Three hours of classroom work per week. *Elective for Juniors; limited to thirty students. First semester. (Omitted 1957-58.)*

42. EXTEMPORANEOUS SPEAKING; TECHNIQUES AND TYPES OF SPEAKING.

PARLIAMENTARY PROCEDURE.

3 credit hrs.

Professor GARRISON.

A continuation of Public Speaking 41. Three hours of classroom work per week. *Elective for Juniors; limited to thirty students. Second semester. (Omitted 1957-58.)*

43. ARGUMENTATION AND THE FORMS OF PUBLIC ADDRESS. 4 credit hrs.

PARLIAMENTARY PROCEDURE.

Professor GARRISON.

A critical study of techniques effective in persuasion; oral and written composition. Requisite: A grade of "B" in Public Speaking 21-22 and the consent of the instructor. Three hours of classroom work per week. *Elective for Juniors; limited to fifteen students. First semester.*

44. ARGUMENTATION AND THE FORMS OF PUBLIC ADDRESS. 4 credit hrs.

Professor GARRISON.

A study of the application of behavioristic and Aristotelian techniques; oral and written composition. Three hours of classroom work per week *Elective for Juniors; limited to fifteen students. Second semester.*

*Religion*

Professor MARTIN and Assistant Professor SANDERS.

All courses in religion may count towards a major, which shall consist of Religion 21, 22, Introduction to Religion, and six additional semester courses in religion or related studies approved by the Department.

Of these six additional courses at least three must be courses in religion, and it is recommended that they include Philosophy 43, 44, History of Philosophy.

Students definitely committed to a pre-theological course are not encouraged to major in religion, though they should take at least one basic course in the field.

Honors in religion shall consist of the Conference Course Religion 79, 80 taken in conjunction with a major in religion; satisfactory fulfillment of the general honors requirements of the college; satisfactory performance in written comprehensive examinations on the general history of religious traditions and on Bible, Philosophy of Religion, or some other area of special interest to the student; and the preparation and oral defense of a scholarly essay on a topic approved by the Department.

21. INTRODUCTION TO RELIGION. Professor MARTIN. *4 credit hrs.*

The origins and nature of religion. Basic beliefs and practices of Confucianism, Hinduism, Buddhism, Judaism, and Islam as reflected in their scriptures and institutions. May be elected to fulfill part of the Humanities requirement. Four hours of classroom work per week. *Elective for Sophomores. First semester.*

22. INTRODUCTION TO RELIGION. Professor MARTIN. *4 credit hrs.*

The Christian heritage as reflected in the New Testament and the Christian classics. Basic Catholic and Protestant doctrines and practices. Religion and the modern mind: modernism, humanism, and the new orthodoxy. May be elected to fulfill part of the Humanities requirement. Four hours of classroom work per week. *Elective for Sophomores. Second semester.*

23. THE OLD TESTAMENT. Professor SANDERS. *4 credit hrs.*

Foundations of the Hebrew-Christian tradition in the literature and life of the Old Testament. May be elected to fulfill part of the Humanities requirement. Four hours of classroom work per week. *Elective for Sophomores. First semester.*

24. THE NEW TESTAMENT. Professor SANDERS. *4 credit hrs.*

Foundations of the Christian tradition in the literature and life of the New Testament. May be elected to fulfill part of the Humanities require-

ment. Requisite: Religion 21 or 23, or consent of the instructor. Four hours of classroom work per week. *Elective for Sophomores. Second semester.*

45. PHILOSOPHY OF RELIGION. Professor MARTIN. 3 credit hrs.

An examination of some basic religious concepts in the light of philosophical analysis. Among topics to be considered are the nature and status of religious knowledge, the existence and nature of God, and some religious views of human nature and conduct. Three hours of classroom work per week. *Elective for Juniors. First semester.*

48. RELIGION IN AMERICAN CULTURE. Professor SANDERS. 3 credit hrs.

A survey of the main religious traditions of America from Colonial times to the present, emphasizing the interaction of the churches and their environment and showing the role of religion in the development of American culture. *Elective for Juniors. Second semester.*

49. CONTEMPORARY RELIGIOUS THOUGHT. Professor MARTIN. 3 credit hrs.

Analysis and comparison of the views of selected contemporary theologians and religious philosophers. (Same course as Philosophy 49.) Three hours of classroom work per week. *Elective for Juniors. First semester.*  
(Omitted 1957-58.)

52. CHRISTIANITY IN MODERN WESTERN CULTURE. 4 credit hrs.

Professor SANDERS.

A rapid survey of Christianity from the Treaty of Westphalia to the Second World War, stressing the relation of Christian faith to state, society and culture in the Western world. Attention will center upon selected problems which will be studied by means of individual research and group discussion. *Elective for Juniors. Limited to 25 students. Second semester.*  
(Omitted 1957-58.)

79. CONFERENCE COURSE. The Department. 4-8 credit hrs.

Selected topics of study; required of candidates for honors in religion. Detailed outline of thesis and adequate bibliography for project required before Thanksgiving; preliminary version of substantial portion of thesis by end of semester. *Elective for Seniors with the consent of the instructors. First semester.*

80. CONFERENCE COURSE. The Department. 4-8 credit hrs.

Selected topics of study; required of candidates for honors in religion. *Elective for Seniors with the consent of the instructors. Second semester.*

*Russian*

Mr. GREGG

1. ELEMENTARY COURSE. Mr. GREGG. *4 credit hrs.*

Grammar, pronunciation, oral practice. Four hours per week. *Elective for Sophomores. First semester.*

2. INTERMEDIATE COURSE. Mr. GREGG. *4 credit hrs.*

Review of grammar and pronunciation; oral practice. Reading and analysis of selected texts. Four hours per week. *Elective for Sophomores. Second semester.*

3. ADVANCED COURSE. Mr. GREGG. *3 credit hrs.*

Reading and analysis of selected literary texts with some review of grammar and pronunciation. Three hours per week. *Elective for Sophomores. First semester.*

4. ADVANCED COURSE. Mr. GREGG. *3 credit hrs.*

Reading of literary texts from the 19th century and the modern period. Three hours per week. *Elective for Sophomores. Second semester.*

*Science*

- SCIENCE 1. Professors TOWNE and BROWN in charge. *4 credit hrs.*

A course in physical science and mathematics. The objectives of the course are: to show what is meant by a scientific concept and how scientists construct a conceptual scheme to obtain a deeper understanding of physical phenomena; to show how scientists work and reason and how such reasoning has led to discoveries which have influenced the development of our culture and the outlook of man toward the world around him; to impart some knowledge of physical laws and phenomena, particularly those which affect our everyday lives and actions.

To achieve these ends, no attempt is made to cover a wide range of subjects in the fields of physics and mathematics; rather, a limited number of subjects is studied with some care, so as to develop a more profound understanding than would otherwise be possible.

In physics, topics are selected from mechanics in such a way as to develop an understanding of the ideas which led to Newton's formulation of the laws of mechanics and the theory of gravitation and thence to indicate the impact which the Newtonian synthesis has had on the subsequent development of science and philosophy. Selected topics from electricity and optics are then introduced and, combined with the previously developed topics in mechanics, are used to show how we have arrived at our present conception of the structure of matter.

In mathematics, topics are selected from analytic geometry and calculus

in such a way as to show how this science has arisen as a powerful independent discipline and how its tools, in turn, have profoundly influenced the development of physical science.

Mathematics, two hours; Physics, two hours; Laboratory, two hours.  
*Required for Freshmen. First semester.*

SCIENCE 2. Professors TOWNE and BROWN in charge. 4 credit hrs.

The second semester of the course outlined above under Science 1.

Mathematics, two hours; Physics, three hours; Laboratory, two hours.  
*Required for Freshmen. Second semester.*

Staff: Professors BENSON, BREUSCH, BROWN, GORDON, LINNELL, ROMER, SOLLER, SPRAGUE and TOWNE; Messrs. DEMPESY, ESTY, LOOMIS, WILSON and others.

21. CHEMISTRY-BIOLOGY SEQUENCE. CHEMISTRY. 4 credit hrs.

Professors BEEBE, ROBISON, and SCOTT, and Mr. WILSON.

A study of substances, their structure, their properties and the reactions by which they are converted into other substances. Attention is given to the orientation of chemistry toward physics, biology and the other related sciences. Three hours classroom and four hours laboratory work per week. (Same course as Chemistry 21.) Requisite: Science 2. *Elective for Sophomores. First semester.*

22. CHEMISTRY-BIOLOGY SEQUENCE. GENERAL BIOLOGY. 4 credit hrs.

Professors KIDDER and YOST.

An introduction to biological principles integrated with the first semester chemistry which is arranged as part of a program of liberal study. Four classroom hours and two hours of laboratory work per week. (Same course as Biology 22.) *Elective for Sophomores. Second semester.*

23-24. EVOLUTION OF THE EARTH AND MAN. 4 credit hrs.

Professors WOOD (Chairman), BAIN, BROPHY, ELLIS, HEXTON, LINNELL, PLOUGH, SCHOTTÉ, and YOST; Mr. WEBB

A review of the evolution of the earth and the changing landscape, particularly in relation to the appearance and history of living organisms. This leads to a study of the appearance of the human line, and the evolution of man with his developing cultures. Four classroom hours and two hours laboratory work per week. Satisfactory completion of Science 23-24 counts as one semester of Biology for requirements of the Biology Department. Completion of Science 23 with a grade of 80 or more is considered equivalent to Geology 21 for the requirements of the Geology Department. (Same course as Biology 23-24.) *Elective for Sophomores. First and second semesters.*

**43. INTRODUCTION TO ANALYSIS OF DATA AND DESIGN OF EXPERIMENT.**  
**Mr. ROMER.***1 credit hr.*

A series of lectures intended for all students in natural sciences (including pre-medical study), designed to give such students an awareness of the available objective methods of constructing experiments and interpreting experimental results. Specific illustrations will be taken from physical science, biology, psychology, and medical research. Elementary theory of errors. Confidence limits and tests for significant differences between experimental results. Testing hypotheses. Design of experiments. Calculus, at the level developed in Science 1, 2, is utilized throughout. *Elective for Juniors. First semester.*

### *Spanish*

Associate Professor JOHNSON; Mr. CANNON;

Assistants: Messrs. ZAVALA and VIVANCO.

*Note: Major with honors.* The honors major consists primarily in a program of extensive reading in the major authors of the last four centuries, and is intended also to provide a general knowledge of the development of Spanish literature since the end of the Middle Ages. Candidates will normally take the courses numbered 7, or 7S, 10, 21, 22, 25, 26, 42, 79, 80. In exceptional cases and with the consent of the Department, a related course in another department may be substituted for the eighth course in Spanish. All course elections are made in consultation with a representative of the Department, and the course program may be adjusted in special cases. An examination will be given in the second semester of the senior year in the history of Spanish Literature and in critical interpretation of texts. A thesis may be required.

*Major for students not candidates for the degree with honors.* The major must include thirty credit hours, not counting courses 1 and 3. Six of these credits may be in approved courses outside the Department.

*Combined major in two languages.* For a student whose primary language is Spanish, the major must include twenty credit hours in Spanish, not counting courses 1, 3 and 5; in the second language it must include ten credit hours, of which at least three must deal with literature.

*Requirements for Sophomores in Humanities.* The following courses are approved as satisfying the Humanities requirement in sophomore year: any course or combination of courses (numbered above 5, except Spanish 10) giving 4 credit hours.

**1. ELEMENTARY COURSE.** *4 credit hrs.*

Mr. CANNON and Assistants.

Grammar, pronunciation, oral practice. This course will meet three

hours per week for explanation and demonstration, and four hours per week in small sections for oral practice. *Elective for Freshmen. First semester.*

**3. INTERMEDIATE COURSE.** *4 credit hrs.*  
Mr. CANNON and Assistants.

Review of grammar and pronunciation; oral practice. Reading and analysis of selected texts. This course will meet three hours per week for explanation and demonstration, and three hours per week in small sections for drill in aural comprehension of the language. Assignment to this course will be made on the basis of the score in the CEEB Achievement Test. *Elective for Freshmen. First semester.*

**3S. INTERMEDIATE COURSE.** Mr. CANNON and Assistants. *4 credit hrs.*

Same description as above. Requisite: Spanish 1, or the equivalent. *Elective for Freshmen. Second semester.*

**5. ADVANCED COURSE.** *4 credit hrs.*  
Professor JOHNSON and Assistants.

The purpose of this course is to complete the student's training in fluent reading and in oral comprehension. Reading of significant works from the modern period. Three hours per week in class, and three hours per week in small sections. Stress will be placed on the acquisition of aural comprehension of the language and oral practice. Conducted in Spanish. Requisite: A satisfactory score in the CEEB Achievement Test, or Spanish 3, or the equivalent. *Elective for Freshmen. First semester.*

**5S. ADVANCED COURSE.** Mr. CANNON and Assistants. *4 credit hrs.*

Same description as above. Requisite: A satisfactory score in the CEEB Achievement Test, or Spanish 3, or the equivalent. *Elective for Freshmen. Second semester.*

**7. INTRODUCTION TO HISPANIC CIVILIZATION.** *4 credit hrs.*  
Professor JOHNSON.

This course will meet four hours per week for the reading and discussion of selected texts: Lorca, Unamuno, Valle-Inclán, Cervantes, etc. Requisite: satisfaction of the language requirement. *Elective for Freshmen. First semester.*

**7S. INTRODUCTION TO HISPANIC CIVILIZATION.** *4 credit hrs.*  
Professor JOHNSON.

Same description as above. Requisite: satisfaction of the language requirement. *Elective for Freshmen. Second semester.*

10. ADVANCED COMPOSITION and CONVERSATION. *4 credit hrs.*  
The Department.

Practice in conversation, free composition and set translation into Spanish; oral reports on selected topics. This course is designed primarily for those who wish to perfect their command of Spanish. Requisite: the consent of the instructor. Three class and two laboratory hours per week. *Elective for Freshmen. Second semester.*

21. READINGS IN SPANISH LITERATURE SINCE 1800. *4 credit hrs.*  
Mr. CANNON.

This course will meet three times a week to study approximately six representative novels and plays and some poetry, and their relation to the main literary trends of recent times. Limited to 25 students. Requisite: satisfaction of the language requirement. *Elective for Sophomores. First semester.*

22. READINGS IN SPANISH AMERICAN LITERATURE SINCE 1800. *4 credit hrs.*  
Professor JOHNSON.

This course will meet three times a week to study selected works of outstanding merit and their relation to the development of Spanish American culture. Limited to 25 students. Requisite: satisfaction of the language requirement. *Elective for Sophomores. (Omitted 1957-58.)*

25. GOLDEN AGE PROSE, POETRY, and DRAMA. *4 credit hrs.*

This course will meet three hours per week for reading in such authors as Juan Manuel, Garcilaso, Fray Luis de León, Quevedo, Góngora, Lope de Vega, Tirso de Molina, Calderón. Recommended for students planning to take the Cervantes course. Limited to 25 students. Requisite: satisfaction of the language requirement. *Elective for Sophomores. (Omitted 1957-58.)*

26. CERVANTES. Professor JOHNSON. *4 credit hrs.*

This course will meet three hours per week to study the major prose works of Cervantes and their relation to the Golden Age. Emphasis on *Don Quijote de la Mancha*. Limited to 25 students. Requisite: satisfaction of the language requirement. *Elective for Sophomores. Second semester.*

27. HISPANIC AUTHORS. Professor JOHNSON. *1 credit hr.*

Federico García Lorca and the Spanish Ballad will be studied. Requisite: the permission of the instructor. *Elective for Sophomores. First semester.*

28. HISPANIC AUTHORS. *1 credit hr.*

The content of this course will be determined each year by the in-

structor. Requisite: the permission of the instructor. *Elective for Sophomores.*  
*Second semester.*

42. ADVANCED READINGS IN SPANISH LITERATURE. 2-4 credit hrs.  
The Department.

The content of this course will be determined each year by the student in consultation with the Department. Students with special interests are invited to consider the possibilities of this course. Requisite: the consent of the Department. *First and Second semesters.*

79-80. CONFERENCE COURSE FOR HONORS CANDIDATES. 4 credit hrs.

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## IV

### *Lectureships, Honors, Fellowships, Prizes and Awards*

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## Lectureships

### THE HENRY WARD BEECHER LECTURESHIP

This lectureship fund of \$10,000 was founded by the late Frank L. Bab-  
bott, LLD., of the Class of 1878, in honor of Henry Ward Beecher, of  
the Class of 1834. The incumbent is appointed biennially by the Faculty  
for supplementary lectures in the departments of history and the political,  
social, and economic sciences.

### THE CLYDE FITCH FUND

A fund of \$20,000 was established by Captain and Mrs. W. G. Fitch  
of New York in memory of their son, Clyde Fitch, of the Class of 1886.  
The income of this fund is to be used for the furtherance of the study of  
English literature and dramatic art and literature. The whole or part of  
this income is usually devoted to the remuneration of an eminent lecturer,  
who may also take a part in the regular instruction of the College.

### THE JOHN WOODRUFF SIMPSON LECTURESHIP

A fund now amounting to \$197,600 was established in memory of John  
Woodruff Simpson, of the Class of 1871, by his wife and daughter. The  
income is to be used for fellowships and "to secure from time to time, from  
England, France or elsewhere, scholars for the purpose of delivering lec-  
tures or courses of instruction at Amherst College."

### THE GEORGE WILLIAM AND KATE ELLIS REYNOLDS LECTURESHPIS

A fund of \$150,000 established by the late George W. Reynolds of the  
Class of 1877 provides an annual income of approximately \$9,000 which  
is divided into three equal parts to provide lectureships on Christ and  
Christianity, Science, and American Democracy.

### THE CHARLES E. MERRILL LECTURESHPIS

An expendable fund of \$10,000 was given by Charles E. Merrill of the  
Class of 1908 for a series of lectures and formal discussions on applied  
economics. Upon delivery, these lectures become the property of Amherst  
College for publication.

As in previous college years, a number of Merrill Lecturers will be  
brought to the College during 1957-1958 from the fields of government,  
business, labor, and agriculture.

## Honors

### THE PHI BETA KAPPA SOCIETY

The students elected to membership in this honor society are those of highest standing and are normally candidates for the degree with honors. A preliminary election of outstanding students occurs at the end of the first semester of Junior year; and further elections occur at the end of the first semester and at commencement time of Senior year. Membership in the society is extended to about a tenth of the students in each class.

#### *Officers*

*President: ANTHONY SCENNA, '27*

*Vice-President: GEORGE B. FUNNELL, '24*

*Secretary-Treasurer: MURRAY B. PEPPARD, '39*

*Undergraduate President: DANIEL E. FELDMAN*

*Undergraduate Secretary-Treasurer: PETER D. M. PARKER*

#### *First Election, Class of 1958*

Sheldon Stuart Baddock

Frederick Robinson McReynolds Deane

Daniel Edward Feldman

Peter Donald MacDougal Parker

#### *Second and Third Elections, Class of 1957*

Robert Daniel Carlen

Hayes Corliss Lamont

Joal Matthew Chazin

John Dickinson McGavic

Richard Whitlock Davis

Richard Wilbur Miller

John Randolph Dinkelpiel

Kong-ki Min

Edward Northrup Gadsby

Robert Schwenn Neale

Howard Goldin

James William Savage

Stephen Poss Grayer

Robert Avery Shore

Warren Henry Hollinshead, II

Benjamin Goodall Symon

William Allen Jeffers, Jr.

Peter Merrill Tilley

Sheridan Waite Johns, III

John Franklin Wilber

Michael Buckley Wray

## THE SOCIETY OF THE SIGMA XI

Sigma Xi, the National Honorary Scientific Research Society, was founded in 1886; the Amherst Chapter was installed March 23, 1950. The Society has as one of its purposes to give recognition to those students, members of the faculty, and research associates who have demonstrated ability to carry on constructive scientific research or who show definite promise of research ability. Other functions are the maintenance of companionship among investigators in the various fields of science, the holding of meetings for the discussion of scientific subjects, and the fostering of an interest in scientific research in the College.

Undergraduates, in masters candidates, and others who show definite promise of research ability may be recommended to associate membership by the departments concerned. In the case of undergraduates, nomination will be given only to those students whose promise of research ability would warrant recommendation for at least a degree *magna cum laude* (entirely aside from the question of grades). At present the chapter has a total membership of some 95 faculty and students.

*Officers*

*President:* Professor THEODORE KOESTER

*Vice-President:* Professor GEORGE W. KIDDER

*Secretary-Treasurer:* PROFESSOR WILLIAM M. HEXTOR

*Initiates—1957**To Full Membership*

Robert C. Birney

Pierre A. Carrus

Everett W. Fuller

Catherine C. Connelly

Birendra N. Dutta

*To Associate Membership*

Edward J. Bleser

Robert D. Carlen

Robert H. Dailey

Howard Goldin

Stephen P. Grayer

Timothy M. Harris

William A. Jeffers, Jr.

Jack A. Kampmeier

Kent N. Knowles

David W. Koopman

Moses K. Lieberman

John D. McGavic

Richard W. Miller

Kong-Ki Min

James F. Mollenauer

Robert S. Neale

Howard E. Rotner

Robert A. Shore

John D. Stackpole

John F. Wilber

Kwang Yu

## THE BOND FIFTEEN

From the fifteen Seniors who have attained the highest general standing at the end of the first semester of senior year, two speakers are selected upon the basis of literary and oratorical merit to deliver orations at the Class Day Exercises. The Bond Prize of one hundred dollars is awarded to the speaker who delivers the best oration.

*The Bond Fifteen, 1957*

Robert Daniel Carlen

Joel Matthew Chazin

John Randolph Dinkelpiel

Howard Goldin

Sheridan Waite Johns, III

Hayes Corliss Lamont

Richard Wilbur Miller

Kong-Ki Min

James Frederick Mollenauer

Robert Schwenn Neale

Robert Avery Shore

Robert Reilly Strand

Peter Merrill Tilley

Richard Alan Wasserstrom

John Franklin Wilber

## Fellowships

The College's funds for fellowships aggregate \$528,000. From the income of these funds fellowships are awarded annually to graduates of Amherst College, and in some instances to graduates of other colleges, for study in graduate or professional schools. Applications should be made in writing to the Dean before March first.

*The names of those to whom fellowships have been awarded for the current year will be found on page 45.*

### THE AMHERST MEMORIAL FELLOWSHIPS FOR THE STUDY OF SOCIAL, ECONOMIC, AND POLITICAL INSTITUTIONS, AND FOR PREPARATION FOR TEACHING AND THE MINISTRY

A fund of \$116,100 provides fellowships to perpetuate the memory of those Amherst men who gave their lives for an ideal. The following statement expresses the purposes of the donor of these fellowships: "Realizing the need for better understanding and more complete adjustment between men and existing social, economic, and political institutions, it is my desire to establish a fellowship for the study of the principles underlying these human relationships."

Appointments to these fellowships may be made from the graduating class or the alumni of Amherst College or of other colleges, the object being to permit men of character, scholarly promise, and intellectual curiosity to investigate some problem in the humanistic sciences. Candidates should be men of sound health. During previous training they should have given evidence of marked mental ability in some branch of the social sciences—history, economics, political science—and have given promise of original contribution to a particular field of study. It is desirable that they possess qualities of leadership, a spirit of service, and an intention to devote their efforts to the betterment of social conditions through teaching in its broad sense, journalism, politics, or field work.

While preference is given to candidates planning to do advanced work in the field of the social sciences, applications will be accepted and awards made to candidates who are planning to go to theological school as a preparation for a career in the ministry and to those from other fields than the social sciences who are preparing for a career in teaching in secondary schools or colleges.

Appointments may be made for terms of two years. Tenure may, however, be shorter or longer, depending upon the nature of the subjects investigated or upon other circumstances which, in the judgment of the committee, warrant a variation in the length of tenure.

The stipend will vary according to the circumstances of the appointment. Awards will depend upon those aspects of individual cases which, in the judgment of the committee, most suitably fulfill the purpose of the foundation.

These fellowships will be awarded by the Board of Trustees upon the recommendation of the Faculty Fellowship Committee.

#### THE HENRY P. FIELD FELLOWSHIPS

Two fellowships of \$500 each are available from the income of the bequest of the late Henry P. Field of the class of 1880, to promote graduate study in the fields of English and History. Appointments are made annually by the College on the recommendation of the departments of English and History.

#### THE EDWARD HITCHCOCK FELLOWSHIP

The income from a fund of \$20,000 founded by the late Mrs. Frank L. Babbott of Brooklyn, N. Y., is available for the promotion of graduate study in the department of physical education. Its object is to make the student familiar with the best methods of physical training, both in the gymnasium and on the field. The appointment is made by the Faculty.

#### THE ROSWELL DWIGHT HITCHCOCK MEMORIAL FELLOWSHIP

A fund of \$7800, established through the agency of the Alpha Delta Phi Fraternity, provides an annual award under conditions determined by the Faculty, to a member of the senior class for excellence in history and the social and economic sciences. The holder of the Fellowship pursues for one year, at an institution approved by the Faculty, a course of study in history or economics, to be completed within the period of two years next following graduation. The amount of the Fellowship is paid in two installments, one on completion of one-half the year's work, the other at the end of the year.

#### THE RUFUS B. KELLOGG UNIVERSITY FELLOWSHIP

The income from a fund of \$52,200 established by the late Rufus B. Kellogg of the Class of 1858 provides certain prizes, and a fellowship award for three years to an alumnus of Amherst College, who shall be appointed upon the following conditions:

1. He shall be elected by the Faculty from the members of the class graduated at the close of the academic year in which this election shall be made, or from the members of the classes graduated in the six years immediately preceding the academic year in which this election shall be made.

2. The Faculty shall select as the incumbent of the said Fellowship the man who, in their judgment, is best equipped for study and research, without regard to any other considerations whatsoever, except that he should have an especially good knowledge of at least one modern foreign language and should have had at least one year of Latin in preparatory school or college.

3. The three years shall be spent by the incumbent at a German University, or, with the approval of the said Faculty, at any other place or places, in the study of philosophy, philology, literature, history, political science, political economy, mathematics or natural science. At least one college term of the final year shall be spent by the incumbent at Amherst College, where he shall give a series of not more than thirty lectures on a subject selected by himself and approved by the Trustees. The lectures shall be given to the Senior class, but the members of all other classes shall have the privilege of attending. The incumbent shall have his lectures published, at the end of his official term, in good book form, or in a learned journal.

#### THE EDWARD POOLE LAY FELLOWSHIP

A fund of \$36,700, established by Frank M. Lay, of the class of 1893, and Mrs. Lay, in memory of their son Edward Poole Lay, of the class of 1922. The income from the fund provides for a fellowship to be awarded to a graduate of Amherst College who has shown unusual proficiency and talent in music, and who desires to continue his studies in this field. Preference is to be given to a candidate who is proficient in voice. In the event that there is no qualified candidate for the award in any one year in the musical arts (especially voice and instrumental music), then it may be awarded under the same conditions to a qualified candidate in the field of the dramatic arts.

This fellowship will be awarded by the Board of Trustees upon the recommendation of the Faculty Fellowship Committee.

#### THE JAMES INGRAM MERRILL AWARD

A fellowship of \$1,000 is available for a member of the graduating class or a recent alumnus who has done outstanding work in the field of English to assist him in graduate study at a University of his choice. The award may be made for either scholarly promise or for ability in creative writing. The award is to be made by the Fellowship Committee upon recommendation from the English Department.

#### THE FORRIS JEWETT MOORE FELLOWSHIPS

These fellowships, three in number, were established in memory of Forris Jewett Moore of the class of 1889 by his widow, Emma B. Moore.

In each case, the beneficiary is to be a member of the graduating class of the year preceding that in which he holds the Fellowship.

1. A fund of \$22,400, the income of which is to be used to assist some graduate of Amherst College who has distinguished himself in the study of chemistry while an undergraduate and desires to engage in further study of that subject, preference to be given to eligible candidates whose plans lie in the field of organic chemistry.

2. A fund of \$15,500, the income of which is to be awarded to a graduate of Amherst College who has distinguished himself in the study of history while an undergraduate and desires to engage in further study of that subject.

3. A fund of \$19,400, the income of which is to be awarded to a graduate of Amherst College who has distinguished himself in the study of philosophy while an undergraduate and desires to engage in further study of that subject.

#### THE GEORGE A. PLIMPTON FELLOWSHIPS

These fellowships, established by the Board of Trustees of Amherst College in memory of George A. Plimpton of the class of 1876, a member of the Board from 1890 to 1895 and from 1900 to 1936 and President of the Board from 1907 to 1936, are to be awarded without stipend to members of the senior class who are of outstanding scholastic ability and promise, who plan to continue their studies in graduate school, and who are not in need of financial assistance.

These fellowships will be awarded by the Board of Trustees upon recommendation of the Faculty Fellowship Committee.

#### THE SHERMAN PRATT FACULTY FELLOWSHIPS FOR STUDY ABROAD

These fellowships are awarded by the President of the College to younger members of the Amherst Faculty, on the basis of past performance in teaching and scholarship and programs for further study. The stipends may be fixed in such amount as the President may determine. Each holder of a Sherman Pratt Fellowship will be expected on his return to the College to deliver to the college body one or more lectures.

#### THE JOHN WOODRUFF SIMPSON FELLOWSHIPS AND LECTURESHIPS

A fund now amounting to \$197,600 was established in memory of John Woodruff Simpson of the class of 1871, by his wife and daughter. The uses of the income as defined by the donors are as follows:

"1. To award to any graduate of Amherst College a fellowship for use

in studying law at any school approved by the Board of Trustees of the College;

“2. To award to any graduate of Amherst College a fellowship for use in studying medicine at any school approved by the Board of Trustees of the College;

“3. To award to any graduate of Amherst College a fellowship for use in studying theology at any school approved by the Board of Trustees of Amherst College, without regard to the particular creed or particular religious belief taught thereat;

“4. To award to any graduate of Amherst College a fellowship for use in studying at any school, college or university approved by the Board of Trustees of the College, in preparation for the teaching profession;

“5. To award to any graduate of Amherst College a fellowship for use in graduate study at the universities of Oxford or Cambridge in England;

“6. To award to any graduate of Amherst College a fellowship for use in graduate study at the Sorbonne in Paris;

“7. To secure from time to time from England, France or elsewhere scholars for the purpose of delivering lectures or courses of instruction at Amherst College.”

These fellowships will be awarded by the Board of Trustees upon the recommendation of the Faculty Fellowship Committee.

#### FELLOWSHIPS AWARDED BY THE AMERICAN SCHOOLS OF CLASSICAL STUDIES AT ATHENS AND ROME

The attention of graduate students interested in the Classics and in Archaeology and Ancient Art is called to the opportunities offered by the American Schools of Classical Studies at Athens and Rome. As the College contributes regularly to the support of these schools, any Amherst graduate may enjoy the privileges of study at either school without charge for tuition and may compete for the annual fellowships which they offer. Further information may be obtained from any classical teacher at the College.

## Prizes and Awards

The following prizes are offered annually for proficiency in the work of the several departments of collegiate study, and for other qualifications. The recipients of awards for the previous year are named in each case.

### *Art*

*THE ANNA BAKER HEAP PRIZE*, from the income of a fund of \$1,800, established by the late Arnold N. Heap of the class of 1873; \$110 is awarded to that Senior who submits the best essay in the field of "Art."

No award

### *Biology and Geology*

*THE HARVEY BLODGETT SCHOLARSHIP*, from the income of a fund of \$2,400, established by Frederick H. Blodgett in memory of his grandfather, Harvey Blodgett of the class of 1829, is awarded to aid student work in biology and geology in their educational phases as distinct from their more technical and strictly scientific phases: combined with

*THE PHI DELTA THETA SCHOLARSHIP*, from the income of a fund of \$500, established by the Phi Delta Theta Fraternity, is awarded as a scholarship at the Woods Hole Marine Laboratory to a student for proficiency in biology.

(The two preceding scholarships usually are combined, with a single award of \$175.)

DAVID ALLEN EGLOFF, '57

### *Chemistry and Medicine*

*THE HOWARD WATERS DOUGHTY PRIZE*, from the income of a fund of \$1000, given anonymously; \$60 is awarded to that member of the junior class who, in the opinion of the chemistry department, is best qualified to undertake an honors program.

ALLAN S. HILD, '58

*THE FRANK FOWLER DOW PRIZES*, part of the income from a fund established by Fayette B. Dow, '04, in memory of his father; \$300 is awarded to a member or members of the junior or senior class preparing

to enter medical school, and whose undergraduate work indicates a career of usefulness and distinction in medicine.

Divided between

RICHARD WILBUR MILLER, '57  
JOHN FRANKLIN WILBER, '57

*Dramatics*

*THE RAYMOND KEITH BRYANT PRIZE*, an annual gift of \$25 from Robert E. and Ethel M. Bryant in memory of their son, Raymond Keith Bryant, of the class of 1936, is awarded to that undergraduate who, in the opinion of a board of judges, gives the best single performance of the year in a Masquers' play.

CHAUNCEY DELPHIN HOWELL, JR., '57

*Economics*

*THE W. T. AKERS, JR. PRIZE* of \$50, provided by an annual gift from W. T. Akers, Jr., of the class of 1927, is awarded to that member of the junior or senior class who has, in the opinion of the economics department, written and submitted the best paper on some topic connected with insurance.

PETER MERRILL TILLEY, '57

*English*

*THE ARMSTRONG PRIZE*, from the income of a fund of \$2,500, established in part by Collin Armstrong of the class of 1877 in memory of his mother Miriam Collin Armstrong, awarded in the form of books to the value of \$75 to members of the freshman class who excel in composition.

ROBERT HAMPTON STEELE, '60

*THE COLLIN ARMSTRONG POETRY PRIZE*, from the income of a fund of \$2,500, established in part by Mrs. Elizabeth H. Armstrong; \$75 is awarded to the undergraduate author of the best original poem or group of poems.

ROBERT ELY BAGG, '57

*THE CORBIN PRIZE*, from the income of a bequest of \$1000 established by the estate of William Lee Corbin of the Class of 1896; \$60 is awarded

for an outstanding original composition in the form of poetry or an informal essay.

PETER JOHN LEACH, '58

*THE JOHN FRANKLIN GENUNG PRIZE*, of \$50, given each year anonymously in memory of Professor Genung, is awarded to that member of the junior or senior class who excels in prose composition.

EDWIN STANTON MOOERS, '57

*THE HARRY RICHMOND HUNTER, JR. PRIZE*, from the income of a fund of \$1,400, established by H. R. Hunter and Emma Louise Hunter in memory of their son, Harry Richmond Hunter, Jr. of the class of 1929; \$50 is awarded to that member of the sophomore class who presents the best essay on a topic approved by the English department.

WERNER LEONARD GUNDERSHEIMER, '59

*THE RALPH WALDO RICE PRIZE*, from the income of a fund of \$1,800, established by Mrs. Mary Rice Jenkins in memory of her brother, Ralph Waldo Rice, of the class of 1910; \$110 is awarded for the best essay on "The Liberal College and Christian Citizenship" or any other subject named by the Faculty.

BENJAMIN GOODALL SYMON, JR., '57

### *Greek*

*THE WILLIAM C. COLLAR PRIZE*, from the income of a fund of \$1,300 established by the late William C. Collar of the class of 1859; \$75 is awarded to that member of the freshman class who shall make on a written examination the best version in English of a previously unseen page from some Greek author.

JAMES KEVIN ROONEY, '60

*THE HUTCHINS PRIZE*, from the income of a fund of \$1,300, established by the late Waldo Hutchins of the class of 1842; \$75 is awarded to the best scholar in Greek at the end of the junior year. The scholarship is determined chiefly by the regular recitations and examinations of the department but special studies and examinations may also be required of the candidates.

HAROLD CORNELIUS HAIZLIP, '57

*THE HARRY DE FOREST SMITH SCHOLARSHIP*, of \$600, is awarded to a member of the freshman class enrolled in one of the regular courses in the department of Greek. The award is made on the basis of an examination given at the candidate's school in the March preceding his

entrance to college. Students who have had either two or three years of Greek at school are eligible for this scholarship.

No award

### *Journalism*

*THE SAMUEL BOWLES PRIZE*, from the income of a fund of \$3,500 established by the late Samuel Bowles King, '02; to stimulate interest in journalism as a career, a prize of \$210 is awarded to a student of the junior or senior class who has demonstrated proficiency in journalism. The income may be used from time to time for a scholarship or toward a lectureship.

No award

### *Latin*

*THE BERTRAM PRIZES*, from the income of a fund of \$2,200, established by the late John Bertram of Salem; two prizes of \$80 and \$50 each are awarded to those students who, together with attaining a high average in the Latin courses of the Senior Year, present the best essays on some approved topic connected with these courses.

First Prize

MICHAEL BUCKLEY WRAY, '57

Second Prize

HAROLD CORNELIUS HAIZLIP, '57

*THE BILLINGS PRIZES*, from the income of a fund of \$1,200, established by Frederick Billings in memory of Parmly Billings of the class of 1884; two prizes of \$45 and \$25 are awarded for general excellence in the Latin courses of the Sophomore Year together with the best essays on special topics connected with the authors read in that year.

No award

*THE CROWELL PRIZES*, from a fund of \$2100 in memory of Edward Payson Crowell of the class of 1853; prizes of \$40 and \$20 are awarded for the highest scholarship in the freshman Latin courses; prizes of \$40 and \$25 are awarded to the students who, together with attaining a high average in the Latin courses of the Junior Year, present the best essays on some approved topic connected with the junior Latin course.

Freshman Award

Divided equally between

WILLIAM HAROLD MCPHERSON, II, '60

ROBERT HAMPTON STEELE, '60

## Junior Award

## First Prize

HOWARD BENNETT WOLMAN, '58

## Second Prize

PETER STEVENS BENNETT, '58

*Mathematics, Physics, and Astronomy*

*THE BASSETT PHYSICS PRIZES*, from the income of a fund of \$3,500 established by Preston Rogers Bassett of the class of 1913; two prizes up to \$100 and \$50 respectively may be awarded each year to those students who have distinguished themselves by the excellence and maturity of their performance in the class and laboratory work of the first course in Physics.

## First Prize

Divided equally among

DAVID SCOTT FOSTER, '60

WALTER JAMES MACGINTIE, '60

JAMES HENRY ROMER, '60

*THE PORTER PRIZES*, from the income of a fund of \$600, established by the late Eleazer Porter of Hadley; two prizes of \$18 each are awarded for proficiency in first year physics and astronomy respectively.

*Physics*

No award

*Astronomy*

BENJAMIN HALL ALEXANDER, '57

*THE WILLIAM WARREN STIFLER PRIZE*, from the income of a fund of \$1,000, created by the late Professor Stifler; \$60 is awarded to a senior who has majored in physics and who is nominated by the teaching staff of the department for excellence in work in the courses of physics for the junior and senior years, with special weight in the course on electricity and magnetism.

Divided equally between

KONG-KI MIN, '57

KWANG YU, '57

*THE WALKER PRIZES*, from the income of a fund of \$6,000, given by the late William J. Walker of Newport, Rhode Island; two prizes of \$110 and \$70 are awarded for proficiency in mathematics of the first year,

and two prizes of \$110 and \$70 for proficiency in mathematics of the second year. In each case the award is determined by an examination.

*First Year*

First Prize

NORMAN ALBERT SPENCER, '60

Second Prize

THOMAS EMERSON BAILEY, '60

*Second Year*

First Prize

ROBERT WELLS JOHNSON, '59

Second Prize

ROBERT AVERY SHORE, '57

*Philosophy and Religion*

*THE MOSELEY PRIZES*, from the income of a fund of \$7,500, established by the late Thomas W. H. Moseley of Hyde Park; two prizes of \$300 and \$150 are awarded to members of the senior class for the best essays on a subject approved by the Department of Philosophy and Religion.

First Prize

JAMES EDWIN ANDERSON, '57

Second Prize

RICHARD ALAN WASSERSTROM, '57

*Physical Education*

*THE SAWYER PRIZES*, from the income of a fund of \$1,900, established by the late Edmund H. Sawyer, hon. 1878; \$115 is available for prizes for improvement in the department of Physical Education.

*Senior Class*

ROBERT WHITMAN HARKNESS, '57

*Sophomore Class*

JOHN PHILIP SUVAL, '59

*Political Science*

*THE DENSMORE BERRY COLLINS PRIZE IN POLITICAL SCIENCE*, of \$50, given annually by Miss Margaret S. Densmore in memory of her

nephew Densmore Berry Collins, of the class of 1940. The award will be made to the student submitting the best honors thesis in Political Science.

JOHN RANDOLPH DINKELSPIEL, '57

*Public Speaking*

*THE BANCROFT PRIZES*, of \$260 and \$135, from the income of a fund of \$6,500 established by the late Frederic Bancroft of the class of 1882; awarded to the two members of the senior class who produce the best orations. Both composition and delivery are considered in making the awards.

*First Prize*

GEORGE EDWARD KOSKI, '57

*Second Prize*

THOMAS HEWITT TAYLOR, JR., '57

*THE BOND PRIZES*, from the income of a fund of \$2,300 established by the late Ephraim W. Bond of the class of 1841; \$150 and \$50 are awarded for the best productions spoken at the Senior Chapel service. The awards are determined by a committee appointed by the Trustees upon nomination by the Faculty.

RICHARD ALAN WASSERSTROM, '57

*THE HARDY PRIZES*, from the income of a fund of \$1,200, established by the late Alpheus Hardy of Boston; prizes of \$45 and \$25 are awarded for excellence in extemporaneous speaking.

*First Prize*

ROBERT JOHN WALTON, '57

*Second Prize*

AVRUM MICHAEL GROSS, '57

*THE KELLOGG PRIZES*, from part of the income of a fund of \$52,000, established by the late Rufus B. Kellogg of the class of 1858; two prizes of \$70 and \$50 are awarded to members of the sophomore or freshman classes for excellence in declamation.

*Sophomore Class*

KENNETH RAY GOTTESFELD, '59

*Freshman Class*

WALTER JAMES MACGINNITIE, '60

*THE ROGERS PRIZE*, from the income of a fund of \$1,200, given by Noah C. Rogers of the class of 1880; \$70 is awarded to a member of the junior class for excellence in debate.

ALFRED CHARLES KRASS, '58

*Scholarship and Citizenship*

*THE ADDISON BROWN SCHOLARSHIP*, from the income of a fund of \$6,100, established by the late Addison Brown of the class of 1852; \$370 is awarded to that member of the senior class who, being already on the scholarship list, shall have attained the highest standing in the studies of the freshman, sophomore, and junior years.

ROBERT AVERY SHORE, '57

*THE SAMUEL WALLEY BROWN SCHOLARSHIP*, from the income of a fund of \$6,100, established by the late Samuel Walley Brown of the class of 1866; \$370 is awarded to that member of the sophomore class who at the end of his sophomore year shall in the estimation of the Trustees rank highest in his class in character, class leadership, scholarship, and athletic ability.

JOHN MARVIN NIEHUSS, '58

*THE FRANK A. HOSMER SCHOLARSHIP*, from the income of a fund of \$15,000 established by Frank A. Hosmer of the class of 1875; \$600 is awarded to that member of the sophomore class who, being already on the scholarship list, shall have attained the highest standing in the studies of the freshman year.

CHARLES DIRAN YEGIAN, '59

*THE HOUSE MANAGEMENT COMMITTEE TROPHY* is awarded each year after the end of the first semester to the sophomore delegation of a fraternity or social organization having the best scholastic record for the semester, judgment of the record to be based equally on comparative scholastic standing and on percentage of improvement as against the preceding semester.

1956-1957 PHI GAMMA DELTA

*THE GORDON B. PERRY MEMORIAL AWARD*, from the income of a fund of approximately \$1,300, provides a trophy and cash prize of \$65 to a freshman in good academic standing whose participation and attitude in freshman athletics and other activities are outstanding.

WILLIAM LAWRENCE CHURCH, '60

*THE PORTER ADMISSION PRIZE*, from the income of a fund of \$1,200, established by the late Eleazer Porter of Hadley; \$70 is awarded each year to the member of the entering freshman class who is judged to have the best general record on the College Board tests taken for admission to Amherst. The name of the successful candidate, together with that of his school, is published in the catalogue.

DAVID SCOTT FOSTER, '60  
ITHACA, NEW YORK, HIGH SCHOOL

*THE PSI UPSILON PRIZE*, from the income of a fund of approximately \$5,000, established by the Gamma Chapter of Psi Upsilon in 1941 on the occasion of the Centennial Anniversary of the founding of the Chapter; \$250 is awarded to that member of the graduating class who, in the opinion of a committee consisting of the President of the College, the Dean, and the Chairman of the Department of Physical Education and Intercollegiate Athletics, is considered to be, in the terms of the Ancient Athenian oath,\* the "first citizen" of the College.

DONALD BRUCE HANSON, '57

*THE JOHN SUMNER RUNNELLS MEMORIAL*, from the income of a fund of \$6,100, established in memory of John Sumner Runnels of the class of 1865; \$370 is awarded to that member of the sophomore class who shall in the opinion of the Trustees of the College be preëminent in his zeal for knowledge and industry to attain it.

SHELDON STUART BADDOCK, '58

*OBED FINCH SLINGERLAND MEMORIAL PRIZE*, from the income of a fund of \$11,000 established by an anonymous donor; \$670 is awarded by the Trustees of the College to that member of the junior class, who, during his first three years at Amherst, has shown by his own determination and accomplishment the greatest appreciation of and desire for a college education; the award to be based upon demonstrated achievement with full consideration given to the external handicaps, financial and otherwise, under which his record was attained; in case of uncertainty the Trustees are to be guided by the example set by Obed Finch Slingerland.

PHILIP GRAY HASTINGS, '57

*THE SYLVESTER SCHOLARSHIP* of \$750 provided by an annual gift from Albert L. Sylvester of the Class of 1924, is awarded to a senior who, being already on the scholarship list, at the end of his junior year has combined most clearly outstanding success in extra-curricular activities, including athletics, with academic distinction in one or more fields.

JAMES EDWARD CONNORS, '57

\* "I will not disgrace the soldier's arms, nor abandon the comrade who stands at my side; but whether alone or with many, I will fight to defend things sacred and profane. I will hand down my country not lessened, but larger and better than I have received it. I will accept readily and with understanding the verdicts of our judges, and I will obey the established laws and such other laws as the people may establish. If anyone shall attempt to overthrow the laws, I will not permit it, but whether alone or with many, I will fight to defend them; and I will honor the religion of our fathers. The gods attest this oath!"

*THE STANLEY V. and CHARLES B. TRAVIS PRIZE*, from the income of a fund of \$2,300; established by the late Charles B. Travis of the class of 1864; \$140 is awarded to that member of the graduating class who has made the most improvement as a man and as a scholar during his college course.

Divided equally between

RICHARD ALAN WASSERSTROM, '57

ROBERT HENRY MASSON, '57

*THE TREADWAY INTERFRATERNITY SCHOLARSHIP TROPHY*, a silver cup, given by Hon. Allen Treadway of the class of 1886, in memory of his son, Charles Denton Treadway, awarded to that fraternity or the group of all non-fraternity men which has attained the highest scholastic average during the previous academic year.

PHI DELTA SIGMA

*THE TRUSTEE TROPHY* is awarded each semester to the fraternity or social organization showing the greatest percentage of improvement academically during the previous semester.

1956-1957

First Semester—CHI PHI

Second Semester—DELTA KAPPA EPSILON

*THE WOODS PRIZE*, an annual gift of \$60 in memory of the late Josiah B. Woods of Enfield, is awarded for outstanding excellence in culture and faithfulness to duty as a man and as a scholar—particular attention being given in any prominent case to improvement during the four years' course.

Divided equally between

RICHARD ALAN WASSERSTROM, '57

ROBERT HENRY MASSON, '57

### *Other Prizes*

*THE ROBERT E. BAUSER MEMORIAL AWARD* of a twenty-five dollar United States savings bond (or its equivalent), is given at the close of every academic year to that member of the Senior Class who, in the opinion of the senior board of Radio Station WAMF, has been of the greatest service in the operation and development of the station, during his tenure as station member. This award is sustained in perpetuity of

Amherst College by the Alpha Chi Chapter of Phi Gamma Delta in memory of its brother, Robert E. Bauser, '54.

Divided equally between

GEORGE WALLACE CROCKETT, '57

FRANKLIN DULANEY SANDERS, '57

*THE ASHLEY MEMORIAL TROPHY*, given by the Class of 1916 in memory of Thomas W. Ashley, '16, who was killed in action at Belleau Wood in 1918, is presented annually to the retiring member of the football team who, in the opinion of a committee consisting of the Coach, the Manager, and the Captain-elect, has best "played the game."

ROBERT JOHN KING, '57

*THE HOWARD HILL MOSSMAN TROPHY*, awarded annually to the member of the senior class, who, in the opinion of a committee consisting of the President of the College, the Dean, the Chairman of the Department of Physical Education and Intercollegiate Athletics, and the President of the Student Council, has brought, during his four years at Amherst, the greatest honor in athletics to his Alma Mater—the word "honor" to be interpreted as relating both to achievement and to sportsmanship.

ROBERT ERNEST KEITER, '57

*THE LINCOLN LOWELL RUSSELL PRIZE*, from the income of a fund of \$1,200 established by the late J. W. Russell, Jr. of the class of 1899 in memory of his son; \$70 is awarded to that member of the graduating class who has done most to foster the singing spirit in Amherst College.

GLEN ARTHUR DELL, '57

Degree Conferred January 26, 1957

## BACHELOR OF ARTS

### *Rite*

Fredric Harold Sherzer

## Degrees Conferred April 27, 1957

## BACHELOR OF ARTS

### *Rite*

Richard Pollak

Richard Anderson Walker

## Degrees Conferred June 9, 1957

## BACHELOR OF ARTS

*Summa cum laude*

James Frederick Mollenauer  
*Chemistry*

Robert Reilly Strand  
*American Studies*

Richard Alan Wasserstrom  
*Philosophy*

*Magna cum laude*

Robert Daniel Carlen  
*Biology*

Sheridan Waite Johns, III  
*American Studies*

Joel Matthew Chazin  
*History*

Hayes Corliss Lamont  
*English*

Richard Whitlock Davis  
*History*

John Dickinson McGavie  
*Biology*

John Randolph Dinkelpiel  
*Political Science*

Richard Wilbur Miller  
*Chemistry*

Howard Goldin  
*Biology*

Kong-Ki Min  
*Physics*

Stephen Poss Grayer  
*Biology*

Robert Schwenn Neale  
*Chemistry*

*Biology*  
William Allen Jeffers, Jr.  
*Physics*

James William Savage

Robert Avery Shore <i>Mathematics</i>	Peter Merrill Tilley <i>Economics</i>
Benjamin Goodall Symon, Jr. <i>English</i>	John Franklin Wilber <i>Biology</i>
	Michael Buckley Wray <i>Latin</i>

*Cum laude*

George Nicholas Amabile <i>English</i>	Richard William DeKorte <i>English</i>
James Edwin Anderson <i>American Studies</i>	Glen Arthur Dell <i>American Studies</i>
Richard Lee Anderson <i>Economics</i>	William Paul Donohue <i>Economics</i>
Robert Ely Bagg <i>English</i>	David Allen Egloff <i>Biology</i>
John George Barson <i>French</i>	Stephen Balleray Flood <i>Political Science</i>
John Alan Benning <i>Economics</i>	Alain Marc Fourniols <i>Political Science</i>
Bruce Biddle <i>American Studies</i>	Edward Northrup Gadsby <i>Economics</i>
Edward Johnson Bleser <i>Physics</i>	Edwin Stanley Gardiner <i>Biology</i>
Donald Clyde Brown <i>Biology</i>	James Harvey Gault <i>Biology</i>
Willard Bronson Christiansen <i>Biology</i>	Edward Charles Gilbert <i>Biology</i>
George Alfred Clark, Jr. <i>Biology</i>	Carl Robert Goutell, III <i>Economics</i>
Harold Frank Clark, Jr. <i>English</i>	Harold Cornelius Haizlip <i>Classics</i>
Roger Davidson Clemence <i>Fine Arts</i>	Timothy Mather Harris <i>Biology</i>
James Edward Connors <i>English</i>	William Waugh Higgins <i>Economics</i>
Robert Hammond Dailey <i>Biology</i>	Edward Sander Hoffman <i>Mathematics</i>
Peter Stanley Damon <i>History</i>	Warren Henry Hollinshead, II <i>Political Science</i>
Richard Paul deFilippi <i>Chemistry</i>	Martin Edward Hopkins <i>Philosophy</i>

Robert Edwin Howard, Jr.	John Frederick Reichert, IV
<i>Biology</i>	<i>Philosophy</i>
Arne Robert Johnson	Clifford John Ronan
<i>Political Science</i>	<i>English</i>
Jack August Kampmeier	Howard Ezra Rotner
<i>Chemistry</i>	<i>Biology</i>
Robert Ernest Keiter	Alan Henry Schechter
<i>American Studies</i>	<i>Economics</i>
Stephen Joseph Kind	Michael Edward Schultz
<i>Economics</i>	<i>Political Science</i>
Gary Roy Kirshbaum	Henri Axel Schupf
<i>Psychology</i>	<i>History</i>
Kent Nesmith Knowles	William Geoffrey Shepherd
<i>Psychology</i>	<i>Economics</i>
David Warren Koopman	Robert Edward Shoenberg
<i>Physics</i>	<i>English</i>
Harry Jac Lehman	Morgan Collins Silbaugh
<i>Political Science</i>	<i>English</i>
Moses Kaufman Lieberman	John Duke Stackpole
<i>Biology</i>	<i>Physics</i>
David Taylor Lindsay	Edward Charles Stringer
<i>Biology</i>	<i>American Studies</i>
Stanley Charles Lipton	Herbert Walter Tannenbaum
<i>Political Science</i>	<i>Economics</i>
Robert Henry Masson	Kimball Boone Temple
<i>Economics</i>	<i>Chemistry</i>
George Atterbury Mathewson	Raymond David Townley
<i>English</i>	<i>Economics</i>
Charles Pierre Moleins	Harvey Leon Towvim
<i>Economics</i>	<i>Fine Arts</i>
Donald Trever Nightingale	Charles Hathaway Trout
<i>History</i>	<i>English</i>
Roger Grove Olson	Theodore Daboll Trowbridge
<i>Economics</i>	<i>Chemistry</i>
John Theodore Ostheimer, Jr.	Stuart Sidney Tuller, Jr.
<i>Biology</i>	<i>English</i>
Philip Henry Pfatteicher	Robert Gray Twombly
<i>English</i>	<i>English</i>
Leonard Richard Prosnitz	James Kenneth Vernon
<i>Chemistry</i>	<i>English</i>
Neil Charles Raff	William McCall Vickery
<i>Biology</i>	<i>Economics</i>

Richard Carleton Vitzthum

*English*

John Calvert Wadman

*English*

Alfred Michael Walling

*American Studies*

Robert Appleby Alexander Ward

*American Studies*

Francis Giles Wayland-Smith

*Political Science*

Charles McIntyre Webster

*Economics*

Carl Richard Wendoloski

*Economics*

Paul Zigler

*American Studies*

*Rite*

Benjamin Hall Alexander

Carl Huber Andrus

Edgar Kiser Anspach

William Quintin Ascari

Robert Louis Asher

James Billings Avery

Jonathan Barrington

Howard Theodore Bellin

John Isaac Bloomberg

Richard Loeb Brenner

John Robert Brook, Jr.

John Augustus Bullard, Jr.

Alvin Miller Burt, III

Thomas Jerrell Carter, Jr.

Robert Simpson Charles, III

Thomas Joseph Cody, Jr.

Richard Ralph Colino

James Dowling Constantinople

Carl John Covell

Thomas Goodrich Craig

Jeffrey Stuart Crane

George Wallace Crockett

Victor Vinje Dahl

Robert Wallace Dearnley

Matthew Jeremiah Dillon

John Garfield Donelson

Harold Eugene Donnell, Jr.

John Wendel Drobnyk

David Burton Durk

Charles Suddards Evans

Don Bartley Faerber

George Albert Furbish

Pierce Gardner

James Manning Giffin

Robert M. Girvin, 4th

Rael Isaac Gleitsman

Lewis Donald Goldblum

Carl Ralph Gray

Douglas Mintie Gray, Jr.

Avrum Michael Gross

George Leonard Hacker

Edward Cameron Kirk Hall

Donald Bruce Hanson

Robert Whitman Harkness

James Eastman Hastings

Philip Gray Hastings

Alain Louis Hénon

Alvaro Martin Hernandez

Thomas Ducas Herzog

Don Mueller Heydt

Ian Capreol Hill

Richard Miles Hirsch

Marshall Rudd Holley

John Robert Homer, III

Chauncey Delphin Howell, Jr.

Norris Hulbert Hoyt, Jr.

Robert Michel Huggins

John Wingfield Jackson, Jr.

Alfred Jefferson

Thomas Cooper Jones, Jr.

Robert Gerald Juzek

Edward Scott Kambour

Kenneth Neal Kermes

Robert John King

Peter Lee Kline

Eliot Spalding Knight

Lewis Emerson Knight	Frank Stevens Rose
George Edward Koski	Sheldon Alan Rosen
William Morehead Lane	James Samuel Royse, Jr.
Richard Campbell Leavitt, Jr.	Franklin Dulaney Sanders
Ralph Minor Lee	Timothy Bosworth Sanders
Daniel Leonard, Jr.	Francis Thomas Seery, Jr.
Thomas Robert Levy	Peter Clarendon Seibert
John Aloysius Long, Jr.	Jackson Shepard
Dudley Gordon Luce, Jr.	Michael Bailey Sisk
David John McClune	Harry Mills Sisson, Jr.
Ferguson McKay	Andrew Bardwell Smith
Anthony Mark Megliola	Charles Kay Smith
George Henry Megrue	Trevor Gaylord Smith
Charles Francis Merrill	Clement Francis Springer, Jr.
John deBard Meyer	John Phillips Street, III
Konrad Meyer Michelsen	Morgan Barnes Taft
Norman Carlile Miller	Alexander Rexer Tamke
Edwin Stanton Mooers	Thomas Hewitt Taylor, Jr.
George Stebbins Moses	John Marcus Thompson
Peter Stayer New	Donald Owen Thomson
Arthur Marsh Niner, Jr.	Wesley Rayner Tinker, III
Joel Mordecai Norman	George Bennett Todd
Jeffrey Bishop Nugent	Charles Frederic Turgeon
Thomas Hammer Ogdon	Charles Wesley Tyson, Jr.
Michael Edward Parkhurst	John Harlan Underhill
William Albert Patrick, Jr.	Eliot Noble Vestner, Jr.
Charles Fessenden Pease	Peter Newton Walsh
David Robert Perles	Robert John Walton
Robert Moulton Pickrell	Robert Gorton Ware
William Clifford Pinkham	Bruce Campbell Watson
Richard Henry Plock, Jr.	John Crosby Brown Webster
Charles Alan Prigge	Richard Anthony Wilan
Robert Bingham Raithel, Jr.	Spofford Woodruff
Frank Engelhart Reed	Stephen Lake Yale
Charles Henry Reiners	Michael Van Breda Yohn
Winslow Porter Robinson	Laurence Retman Young
David McLean Roblin	Kwang Yu
William Kingsbury Rogers	William David Ziegenfus

## MASTER OF ARTS

Craig Call Black  
 George Dorland Langdon, Jr.  
 John Jerome Sommers

# Honorary Degree Conferred January 26, 1957

## DOCTOR OF LETTERS

David Robert Alexander Lindsay  
Earl of Crawford and Balcarres

# Honorary Degrees Conferred June 9, 1957

## MASTER OF ARTS

Robert Allan Jacobs, 1927

## DOCTOR OF HUMANE LETTERS

Morris Albert Copeland, 1917  
Fred Benjamin Millett, 1912

## DOCTOR OF LETTERS

Millicent Todd Bingham

## DOCTOR OF DIVINITY

Lawrence MacColl Horton, 1932  
Wilburn Camrock Campbell, 1932  
Roy Messer Pearson

## DOCTOR OF LAWS

Richard Glenn Gettell, 1933  
Bruce Barton, 1907  
Clarence Belden Randall

Medal for Eminent Service Awarded  
June 9, 1957

John Orton Cole, 1927



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V

*Enrollment*

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# Enrollment

## FALL SEMESTER

1957-1958

### Graduate Students

Bruening, Betty Louise	<i>Baltimore, Md.</i>
Emerson, Gordon Clyde	<i>Keene, N. H.</i>
Hanmanlu, Polasa	<i>Hyderabad, India</i>
Laux, Dean Merrill	<i>Dalton, Mass.</i>
Morris, Keith Elliot Hedley	<i>Devon, Great Britain</i>
Nimbark, Ashakant D.	<i>Bombay, India</i>
Pullman, James Owens	<i>Detroit, Mich.</i>
Schrag, Peter	<i>Amherst, Mass.</i>
Weyter, Fred William	<i>Philadelphia, Pa.</i>

### Class of 1958

Abodeely, Michael Nassif, Jr.	<i>Worcester, Mass.</i>
Ackerman, Paul Henry	<i>Brooklyn, N. Y.</i>
Adams, Keith Wilcox	<i>Omaha, Nebr.</i>
Alcaide, Theodore Otto	<i>Waban, Mass.</i>
Allen, James Paul	<i>Rumford, R. I.</i>
Ansbacher, Benjamin R.	<i>Burlington, Vt.</i>
Arai, Akira	<i>Kamakura-shi, Japan</i>
Armstrong, Robert Avery	<i>Springfield, Mass.</i>
Arthur, Henry Bradford, Jr.	<i>Hinsdale, Ill.</i>
Athanassiades, Nicholas Simos	<i>Athens, Greece</i>
Atwood, James Foster	<i>Minneapolis, Minn.</i>
Baddock, Sheldon Stuart	<i>Baltimore, Md.</i>
Baranovic, Boris Bailo	<i>Zagreb, Yugoslavia</i>
Bassett, Earle Ross	<i>West Englewood, N. J.</i>
Bathurst, William Eric	<i>Kansas City, Mo.</i>
Bennett, Joseph Harold	<i>Bayonne, N. J.</i>
Bennett, Peter Stevens	<i>Barrington, R. I.</i>
Bennet, William Stiles, II	<i>Newburgh, N. Y.</i>
Berman, Stanley Marvin	<i>Louisville, Ky.</i>
Bias, Daniel Buchanan	<i>Santa Cruz, Calif.</i>
Biggert, Rody Patterson, Jr.	<i>Hinsdale, Ill.</i>
Bischof, John Edward George	<i>Rockville Centre, N. Y.</i>
Black, Alan Russell	<i>Nixon, N. J.</i>
Bliss, Charles Michael	<i>Lincoln, Mass.</i>
Bloom, Barry Robert	<i>Philadelphia, Pa.</i>
Bohmer, Harold, Jr.	<i>Amherst, Mass.</i>
Bonnett, Howard Thompson, Jr.	<i>Lake Forest, Ill.</i>

Born, Dirck Ten Broeck	Boston, Mass.
Bowers, Ralph Henin	Longmeadow, Mass.
Brown, Charles Henry, Jr.	Lake Forest, Ill.
Brown, Preston Charles	Longmeadow, Mass.
Brown, Ridley James	Amherst, Mass.
Brown, Wesley Miller	Hutchinson, Kansas
Burnham, Richard Irving	Cooks Falls, N. Y.
Burton, Richard Irving	Providence, R. I.
Cantor, William Lee	Jersey City, N. J.
Carmel, Robert	Lawrence, N. Y.
Carpenter, John Paul	St. Paul, Minn.
Carr, Norman Stewart	Washington, D. C.
Charlton, John Kipp	Hastings, Nebr.
Chase, Philip Redfield, Jr.	Fayetteville, N. Y.
Chase, Robert Daggett	Broadalbin, N. Y.
Chisholm, Alan Laird	Pleasantville, N. Y.
Clark, Allen Minott	Mamaroneck, N. Y.
Cole, Stanton Louis	Canton, Ohio
Condit, John Hillyer	Montclair, N. J.
Cowan, Dwight Billings	South Shaftsbury, Vt.
Crockett, Edward David, Jr.	Washington, D. C.
Crossley, George Randolph	West Hartford, Conn.
Danielson, Richard Renner	Teaneck, N. J.
Daus, Alan R.	Shaker Heights, Ohio
Davenport, John Leverett	Riverside, Conn.
Davidson, Frank Forest, Jr.	Wellesley Hills, Mass.
Davis, Charles Somers, III	Philadelphia, Pa.
Davis, John Paschall, Jr.	Nashville, Tenn.
Deane, Frederick Robinson McReynolds	East Grand Rapids, Mich.
deLemos, Robert A.	Mount Vernon, N. Y.
Diggs, Walter Edward, Jr.	St. Louis, Mo.
Dinces, Stephen Leonard	Cedarhurst, N. Y.
Dominick, Anthony	Avon, Conn.
Dorr, Glenn Bert, Jr.	Madison, Conn.
Dove, William Franklin, Jr.	Oak Park, Ill.
Eagles, Edward Prentice, II	Washington, D. C.
Eastman, Lucius Root, V	San Antonio, Texas
Evers, Donald White, Jr.	Darien, Conn.
Faissler, John Jacob, Jr.	Chicago, Ill.
Farnand, Patrick Godfrey	Minneapolis, Minn.
Fauver, Worth Alfred, Jr.	Elyria, Ohio
Feingold, Martin Lawrence	Brooklyn, N. Y.
Feldman, Daniel Edward	Dallas, Texas

Fernald, Peter Sutcliffe	Longmeadow, Mass.
Fitchen, Allen Nelson	Hamilton, N. Y.
Follett, Alan Lee	Hillsborough, Calif.
Fontana, Alan Fred	Quincy, Mass.
Ford, David Walter	Chatham, N. J.
Franck, Richard Wolfgang	Springfield, Mass.
Fujii, Hiroaki	Washington, D. C.
Gardiner, Peter	Forest Hills, N. Y.
Gaunt, Abbot Stott	Methuen, Mass.
Gideonse, Hendrik David	Great Neck, N. Y.
Goddard, Alpheus John, III	Sterling, Ill.
Gold, Martin Roth	New York, N. Y.
Goldstein, Laurence Meyers	New York, N. Y.
Gordon, Walter Richard	Salem, Mass.
Gorman, Thomas Carey	Swampscott, Mass.
Greaves, Edward Stanley	Sayville, N. Y.
Greenman, Frederic Edward	Chestnut Hill, Mass.
Groff, Gordon Baker	Mount Vernon, N. Y.
Gross, William B. Martin	Hinsdale, Ill.
Hannemann, William Charlton	Denver, Colo.
Harbach, Lee Brett	Syracuse, N. Y.
Harper, Emery Walter	Branchville, N. J.
Hart, Henry Clay, III	Providence, R. I.
Haught, Alan Frederic	Bethesda, Md.
Hayden, John Roderick	Montclair, N. J.
Hecht, Harvey Leon	Belle Harbor, N. Y.
Helmreich, Jonathan Ernst	Brunswick, Maine
Hepworth, Derek Graham	Lynn, Mass.
Hewel, William Philip	Richmond, N. H.
Hicks, David Milton	Worcester, Mass.
Higinbotham, Arthur Elfring	Pittsburgh, Pa.
Hild, Allan S.	Baldwin, N. Y.
Hodge, Archibald Talbot	Honeoye Falls, N. Y.
Hoffman, Everett Mansfield, Jr.	Gladwyne, Pa.
Hopkins, John Bradford	Brattleboro, Vt.
Horton, Christopher Noble	Saddle River, N. J.
Hostetter, Amos Barr, Jr.	Short Hills, N. J.
Huber, David Goss	Locust, N. J.
Jackson, William Morris	Cedarhurst, N. Y.
James, David Bushrod, III	Philadelphia, Pa.
Jenkins, Peter Pineo, Jr.	West Barnstable, Mass.
Jewett, William Hugh	Springfield, N. J.
Johnson, Donald Fitch	Duluth, Minn.

Karet, James Michael	Kenmore, N. Y.
Keith, George Eldon, Jr.	Brockton, Mass.
Kelly, George Phillips	Edgewood, R. I.
Kern, Thomas Noel	Cleveland Heights, Ohio
Kleeb, Robert Henry, Jr.	Wayne, Pa.
Kligerman, Martin James	Ventnor City, N. J.
Kodama, Sanehide	Kyoto, Japan
Koff, David Edward	Kingston, Pa.
Koretz, Allan Robert	Highland Park, Ill.
Krass, Alfred Charles	Lynbrook, N. Y.
Krumsiek, James Bernard	Springfield, Mass.
Krupman, William Allan	University Heights, Ohio
Kunz, Peter Leigh	Park Ridge, Ill.
Lagomarcino, John Paul, Jr.	Burlington, Iowa
Lanphere, Eric Daniel	Corry, Pa.
Lansinger, Lawrence Milfred	Akron, Ohio
Leach, Peter John	St. Louis, Mo.
Lees, Charles William	Chatham, Mass.
Leftwich, Robert Francis, Jr.	Bronxville, N. Y.
Low, Kenneth Brooks, Jr.	New Rochelle, N. Y.
Luria, Edward David	New York, N. Y.
Lutz, Charles Albrecht	West Hempstead, N. Y.
Lyne, Stephen Richard	Rutland, Vt.
McDonald, Joseph Francis	Pelham, N. Y.
McLamb, Peyton Fentrell, Jr.	Ridgewood, N. J.
McLean, John Marshall	Ayer, Mass.
McMurray, Walter Joseph	Greenfield, Mass.
Magid, James Irwin	Nashville, Tenn.
Maher, Colin Michelson	Greens Farms, Conn.
Maling, Stephen Gessner	Cape Elizabeth, Maine
Maud, George Dwight	Blue Point, N. Y.
Mayer, Roger Gottfried	Madison, Wis.
Mayhew, David Raymond	Winsted, Conn.
Mazur, Michael Burton	New York, N. Y.
Megargee, Edwin Inglee	Scottsdale, Ariz.
Merritt, Richard Evalon	Plattsburg, N. Y.
Miller, John McCroskery, Jr.	Newburgh, N. Y.
Monroe, Frederick Fales	Rye, N. Y.
Moores, Donald Frederick	Hartford, Conn.
Morgan, Jasper William, Jr.	Windsor, Conn.
Most, Albert Stephen	Mount Vernon, N. Y.
Nelson, Robert Ende, Jr.	Maplewood, Mo.
Niehuss, John Marvin	Ann Arbor, Mich.

Noer, Richard Juul	<i>Louisville, Ky.</i>
Norcott, Richard Bullard, Jr.	<i>Stamford, Vt.</i>
Northrop, James Watson	<i>Rochester, N. Y.</i>
Norton, John Bradley	<i>Longmeadow, Mass.</i>
Ohl, Ronald Edward	<i>Warren, Ohio</i>
Page, Harry Oliver, Jr.	<i>Albany, N. Y.</i>
Papa, John Smith, Jr.	<i>Bristol, Conn.</i>
Parker, Peter Donald MacDougal	<i>Shrewsbury, Mass.</i>
Parker, Robert Allan Ridley	<i>Shrewsbury, Mass.</i>
Patterson, Charles Wilson	<i>New Britain, Conn.</i>
Pendleton, John Braman	<i>Shaker Heights, Ohio</i>
Peterson, Nils Peter	<i>Wayzata, Minn.</i>
Porter, Roger Jeffrey	<i>Elizabeth, N. J.</i>
Powell, Arthur George	<i>Staten Island, N. Y.</i>
Powers, Jonathan Goble	<i>Morristown, N. J.</i>
Price, Don Cravens	<i>Scarsdale, N. Y.</i>
Rapson, Richard Lawrence	<i>New York, N. Y.</i>
Reopell, William Raymond	<i>Williamstown, Mass.</i>
Richman, Harold Samuel	<i>St. Petersburg, Fla.</i>
Richman, Marc William	<i>Brighton, Mass.</i>
Riendeau, Richard Rene	<i>Ware, Mass.</i>
Robinson, Warrick Charles	<i>Oyster Bay, N. Y.</i>
Rounds, Thomas Emerson, III	<i>Danbury, Conn.</i>
Routh, Donald McMillan	<i>Sandusky, Ohio</i>
Rugh, Peter Newton	<i>Scotia, N. Y.</i>
Ryan, William James	<i>Summit, N. J.</i>
Sabin, James Norbeck	<i>Washington, D. C.</i>
Saltman, Michael Alan	<i>Mount Vernon, N. Y.</i>
Sams, John Robert	<i>Denver, Colo.</i>
Schaenen, Michael	<i>Dallas, Texas</i>
Schemm, Christopher Merrifield	<i>Grafton, Vt.</i>
Scherby, Michael Lawrence	<i>Jersey City, N. J.</i>
Schueller, Thomas George	<i>New Rochelle, N. Y.</i>
Schwartz, Stephen L.	<i>Flushing, N. Y.</i>
Scott, David Allan	<i>Warwick, R. I.</i>
Scott, Roy, Jr.	<i>Hadlyme, Conn.</i>
Scutt, Harold Lockwood, Jr.	<i>Rydal, Pa.</i>
Sheinin, James Charles	<i>Chicago, Ill.</i>
Sherman, Ronald Earl	<i>Englewood, N. J.</i>
Simon, Michael Arthur	<i>Maplewood, N. J.</i>
Slade, James William	<i>White Bear Lake, Minn.</i>
Smith, Charles Bryan	<i>Weston, Mass.</i>
Smith, Winthrop Ware	<i>Fair Lawn, N. J.</i>

Smyth, William Paul	Yonkers, N. Y.
Snyder, Homer Evan	Washington, D. C.
Sonstroem, David Arthur	Litchfield, Conn.
Spero, Carl Michael	New York, N. Y.
Stafford, Noel Dennis, Jr.	Darien, Conn.
Stauber, Ralph Otto, Jr.	Webster Groves, Mo.
Stephens, David Rockwell	South Woodstock, Vt.
Stowe, David Henry, Jr.	Washington, D. C.
Suzuki, David Takayoshi	London, Ontario, Canada
Sweeney, John Patrick, Jr.	West Roxbury, Mass.
Taylor, Marc Jules	Mount Vernon, N. Y.
Terino, Edward Owen	East Greenbush, N. Y.
Thaler, Seth Ulric	Riverdale, N. Y.
Tibbets, Hutchin David	Saratoga Springs, N. Y.
Tilton, David Ward	Chagrin Falls, Ohio
Tommy-Martin, Yves Marc	Paris, France
Truesdell, Lynn George, III	Minneapolis, Minn.
Utsch, Hans Peter	Scarsdale, N. Y.
Utz, Leonard Meservey	Port Washington, N. Y.
Uyeda, Gordon Kanji	Honolulu, T. H.
Van Arnam, George Anibal, Jr.	Northville, N. Y.
Vance, John Warren, III	Evanston, Ill.
Van Dusen, Peter Cross	Minneapolis, Minn.
Vester, Norman Rohde, Jr.	Springfield, Mass.
von Oppenheim, Friedrich Carl	Cologne, Germany
Waite, Stephen Holden	Rochester, N. Y.
Walker, Robert David	Wellesley, Mass.
Warner, Albert Lyman, Jr.	Washington, D. C.
Warren, Bruce Alfred	Arlington, Mass.
Warren, William Albert	Leipsic, Ohio
Webb, Jean Francis, IV	Ridgefield, Conn.
Weissman, Harold Arthur	Bronx, N. Y.
Wenders, John Thomas, Jr.	White Mills, Pa.
West, Robert Edward	Manchester Center, Vt.
White, Asher Abbott, Jr.	Minneapolis, Minn.
Wieland, John George Fox	Kenilworth, Ill.
Wiggin, John Tracy	Attleboro, Mass.
Williams, Richard James	Warren, Ohio
Winram, Samuel Curtis	Hingham, Mass.
Wolff, Morris Hirsch	Elkins Park, Pa.
Wolman, Howard Bennett	Baltimore, Md.
Young, Donald Chandler, Jr.	Redding Ridge, Conn.

Zavala, Julio Edgar  
 Zinner, John

*Córdoba, Argentina*  
*Great Neck, N. Y.*

## Class of 1959

Abbe, Robert Reed	<i>Wethersfield, Conn.</i>
Abbott, Wilder Kimball	<i>Rumford, Maine</i>
Abele, John Eaton	<i>Newton Highlands, Mass.</i>
Abeles, Richard Alan	<i>Chicago, Ill.</i>
Abruzzi, Reynold Thomas Joseph, Jr.	<i>Pennsburg, Pa.</i>
Alonso, Miguel Ramon	<i>Santurce, Puerto Rico</i>
Amiel, Joseph Jacob	<i>New York, N. Y.</i>
Amis, George Townsend	<i>Bronxville, N. Y.</i>
Andrews, Joseph Lyon, Jr.	<i>Scarsdale, N. Y.</i>
Angrist, Eugene Paul	<i>Belmar, N. J.</i>
Banner, Richard Lionel	<i>Brooklyn, N. Y.</i>
Bartlett, James Theodore	<i>Merchantville, N. J.</i>
Bartlett, Noel Sloane	<i>Upper Montclair, N. J.</i>
Baumann, Albert Otto, II	<i>Lakewood, Ohio</i>
Beckford, Joseph Gorham	<i>Westboro, Mass.</i>
Bedford, Frederick Thomas, III	<i>New York, N. Y.</i>
Behrendt, Douglas Mather	<i>Howard, R. I.</i>
Benjamin, Thomas Livingston	<i>Providence, R. I.</i>
Bent, Bruce Duval	<i>Denver, Colo.</i>
Bernstein, Daniel Lewis	<i>Chevy Chase, Md.</i>
Betke, George Calhoun, Jr.	<i>Verona, N. J.</i>
Birge, Stanley Julius, Jr.	<i>Clayton, Mo.</i>
Blau, Peter England	<i>Pittsfield, Mass.</i>
Bloch, Herbert Spencer	<i>Baldwin, L. I., N. Y.</i>
Block, Peter Carl	<i>Baltimore, Md.</i>
Blystone, Richard Martin	<i>Elmira, N. Y.</i>
Bolton-Smith, Carlile, Jr.	<i>Washington, D. C.</i>
Bond, Richard Clarkson, Jr.	<i>Haverford, Pa.</i>
Borden, David Marshall	<i>Hartford, Conn.</i>
Bowie, Stuart Sheldon	<i>Swarthmore, Pa.</i>
Boyer, Jonathan David	<i>New York, N. Y.</i>
Brown, Samuel Alexander	<i>Maywood, N. J.</i>
Bryer, Jackson Robert	<i>New York, N. Y.</i>
Burwell, Lawrence Rogers	<i>Washington, D. C.</i>
Carlen, Jans McKenzie	<i>Concord, Mass.</i>
Cashel, Charles Michael	<i>Worthington, Minn.</i>
Cavanagh, William Heasly	<i>New York, N. Y.</i>
Cederbaum, Stephen David	<i>Brooklyn, N. Y.</i>

Clapp, Peter Russell	Amherst, Mass.
Clark, Benjamin Preston, 3rd	Framingham Center, Mass.
Clark, Chester Dodge	Rockport, Mass.
Close, John Campbell	Glen Ridge, N. J.
Cohen, Allan Ray	University Heights, Ohio
Conklin, Peter Martin	Amherst, Mass.
Cook, Richard Alan	Mohawk, N. Y.
Coon, John Lewis, III	Framingham, Mass.
Cornell, Thomas Browne	Shaker Heights, Ohio
Coy, Albert Wayne, Jr.	Albuquerque, N. M.
Crawford, Kenneth Douglas	Redwood City, Calif.
Creamer, George Manley, Jr.	Atherton, Calif.
Creswell, Isaiah Thornton, Jr.	Nashville, Tenn.
Crosby, George Christian, Jr.	Wayzata, Minn.
Crowley, Hubert Cameron	White Plains, N. Y.
D'Alvia, Raymond Anthony	Croton-on-Hudson, N. Y.
Dalzell, Robert Fenton, Jr.	Cleveland Heights, Ohio
Davis, William Edwin, Jr.	Billerica, Mass.
Dean, John William	New York, N. Y.
de la Ossa, Arthur Dwight	Great Neck, N. Y.
Deligeorges, John	Niantic, Conn.
Dellmuth, Carl Sturges	Swarthmore, Pa.
DeMallie, Richard Brink, Jr.	Rochester, N. Y.
Demcisak, John Michael	Phoenixville, Pa.
Denious, Robert Wilbur	Denver, Colo.
DeVivo, Darryl Claude	Everett, Mass.
Dickson, Colin Campbell	Paoli, Pa.
Dodyk, Paul Michael	Hamtramck, Mich.
Dower, John William	Providence, R. I.
Duncombe, Bruce Flagg	Brockton, Mass.
Eastman, O. Rolfe, Jr.	Burlington, Vt.
Edwards, Gordon Stuart	New Canaan, Conn.
Edwards, John White	Columbus, Ohio
Eighmy, Thomas Harden	Williamsville, N. Y.
Erbsen, Claude Ernest	New York, N. Y.
Estrin, Mark Walter	Brooklyn, N. Y.
Esty, Peter Tuckerman	Amherst, Mass.
Ewing, James Hildreth	Easthampton, Mass.
Finn, James Webster	Greenwich, Conn.
Fortuin, Floyd David	Ridgewood, N. J.
Frank, Sanders Thalheimer	Middletown, Conn.
Freels, John William, Jr.	Kenilworth, Ill.
French, William Chapman	White Plains, N. Y.

Frymoyer, John Willard	Foxboro, Mass.
Gardiner, John Rolfe	Bryn Mawr, Pa.
Garson, Peter Kenneth	Shaker Heights, Ohio
Glickman, Albert Blau	Shaker Heights, Ohio
Goldberg, William Ira	Highland Park, Ill.
Goldin, Joel	Yonkers, N. Y.
Gordon, Leonard	White Plains, N. Y.
Gottesfeld, Kenneth Ray	Denver, Colo.
Goulder, Herbert Ira	Shaker Heights, Ohio
Graves, Timothy Frederic	Huntington, N. Y.
Green, Robert Thomas, Jr.	Shelby, Ohio
Green, Theodore, III	Williamsville, N. Y.
Greenslade, Thomas Boardman, Jr.	Staten Island, N. Y.
Greer, Louis Raisler	Rye, N. Y.
Grosfeld, James Jacob	Woodmere, L. I., N. Y.
Guetti, James Lawrence, Jr.	Somerville, N. J.
Gundersheimer, Werner Leonard	Glenside, Pa.
Gunn, Giles Buckingham	Highland Park, Ill.
Gurko, Stephen	New York, N. Y.
Hagmann, John Shugart	Mount Vernon, N. Y.
Halleran, Thomas Augustus, III	New York, N. Y.
Harlan, Walter Scott, II	Pittsburgh, Pa.
Havighurst, Bruce James	Shaker Heights, Ohio
Hayes, Raymond Lewis, Jr.	Washington, D. C.
Hazen, Anthony	Dedham, Mass.
Heideman, Robert Isaiah	Brooklyn, N. Y.
Helm, Donald Cairney	Nashville, Tenn.
Hickey, Terrence William	Englewood, N. J.
Hicks, Donald Jeffrey	Worcester, Mass.
Higgins, George Clinton, Jr.	Rochester, N. Y.
Hindley, Anthony Frederick	Saylesville, R. I.
Hirsch, Steven Richard	Chicago, Ill.
Holmes, Robert Raymond	Hamden, Conn.
Holsman, Wayne Alfred	Pelham, Mass.
Houston, John Poston	Albany, N. Y.
Hull, James Roger, Jr.	Darien, Conn.
Hummer, Charles DeWitt, Jr.	Swarthmore, Pa.
Jacobson, Peter David	New York, N. Y.
Janeway, Charles McKown	Rochester, N. Y.
Jason, Robert Stewart, Jr.	Washington, D. C.
Jenkins, Donald Chase	Greenwich, Conn.
Jim, Dennis Fook Chin	Honolulu, T. H.
Johnson, Arthur Cook	Springfield, Mass.

Johnson, Bradford Judkins	Winchester, Mass.
Johnson, Harry Keith	New York, N. Y.
Johnson, Robert Wells	Kensington, Conn.
Jones, William Irvin, Jr.	Philadelphia, Pa.
Kaneda, Hiromitsu	Osaka, Japan
Keith, Allan Reed	Brockton, Mass.
Keutmann, Henry Todd	Rochester, N. Y.
Kim, Sun Ha	Seoul, Korea
Korper, Christopher Chester	West Hartford, Conn.
Kreutter, William Frederick, Jr.	Denver, Colo.
Landy, Macreay John	Wilmington, Del.
Lawler, Francis Joseph	Greenfield, Mass.
Lee, John Ming-Yee	Hong Kong, China
Leland, Sanford Churchill	Florence, Mass.
Lelewer, Stanley David	Glencoe, Ill.
Leonard, Warren Ramsdell	Port Washington, N. Y.
Liebert, John Arthur	Milwaukee, Wis.
Lienhard, Gustav Edward	Metuchen, N. J.
Lindeman, Lee Neubert	Fairfield, Conn.
Linton, Donald Lowry	Ho-Ho-Kus, N. J.
Lipton, Allan	Brooklyn, N. Y.
Litmans, Murray I.	Pittsburgh, Pa.
Long, John Rittenhouse	Short Hills, N. J.
Lyle, Norris Bailey	Philadelphia, Pa.
McBride, Robert Edwin	Lebanon, Conn.
McCann, Richard Andrew	Chappaqua, N. Y.
McDaniel, Walter Bacon	Wilmington, Del.
McLean, Robert Hopkins	Ayer, Mass.
McQuillan, William Lawrence, Jr.	Pittsburgh, Pa.
Mann, Lawrence Keith	Wyncote, Pa.
Mannheim, Richard George, Jr.	Ridgewood, N. J.
Margulis, Robert Howard	New Rochelle, N. Y.
Maurer, Barry David	Maplewood, N. J.
Medelman, James Kyle	White Bear Lake, Minn.
Mierke, Harvey Oliver, Jr.	Shaker Heights, Ohio
Miller, Bruce Hyatt	Bronxville, N. Y.
Min, Pyong Re	Seoul, Korea
Min, Suk-Kih	Seoul, Korea
Minely, John Stargis	Bridgeport, Conn.
Moore, John Francis, Jr.	Centerport, N. Y.
Moorhead, Robert George Chadbourne	Chevy Chase, Md.
Morgan, Gerald Demuth, Jr.	Gaithersburg, Md.
Morris, Stanley William	Kew Gardens Hills, N. Y.

Morrison, Donald Arthur	Arlington, Va.
Morton, George Geoffrey	St. Paul, Minn.
Morton, Joseph	Rochester, N. Y.
Moyer, Charles Elwood, Jr.	Bethlehem, Pa.
Newmann, Fred M.	Highland Park, Ill.
Oberteuffer, Theodore Kendall	Worthington, Ohio
Oko, Benjamin Kuhn	New York, N. Y.
Olney, Warren, IV	Amherst, Mass.
Opdyke, Markley Elwood	Sidney, N. Y.
Page, Robert Bicknell	New York, N. Y.
Palmer, Kenneth Townsend	Glen Ridge, N. J.
Pasternak, Albert Stuart	Scarsdale, N. Y.
Phelps, Richard Ladd	Ann Arbor, Mich.
Phillips, Forman Stillwell	Troy, N. Y.
Pitarys, Peter Soterios	Portland, Maine
Posner, Lawrence David	Washington, D. C.
Postel, Wilfred Baxter	Marlboro, N. Y.
Powers, James Fay	Turners Falls, Mass.
Pozefsky, William	Gloversville, N. Y.
Pryde, Philip Rust	Pittsfield, Mass.
Purdy, Kenneth Leigh	Ossining, N. Y.
Putnam, Tarrant	Syosset, L. I., N. Y.
Rappoport, Jonathan	White Plains, N. Y.
Ravenel, Lee Benoist	Chevy Chase, Md.
Ribicoff, Peter David	Hartford, Conn.
Rice, Berkeley David	Hyannis, Mass.
Richardson, Thomas Billings Davenport	Longmeadow, Mass.
Rideout, Charles Hamilton, Jr.	Bethesda, Md.
Rippard, Jay Carlisle	Philadelphia, Pa.
Roush, George Jonathan	Atherton, Calif.
Rubin, Matthew Max	Great Neck, N. Y.
Sadowsky, Jack Michael	New York, N. Y.
Salomon, Robert Stephen, Jr.	Stamford, Conn.
Sawyer, Dana Dean, Jr.	Winchester, Mass.
Schier, Rudolf Dirk	New Rochelle, N. Y.
Schlafer, Dale Lehman	Detroit, Mich.
Schopf, Craig William	Grand Rapids, Mich.
Schwemm, Richard Earl	Barrington, Ill.
Scott, James Elliott	Huntington, W. Va.
Sears, Frederic Jerome	Longmeadow, Mass.
Segal, William George	Newton Centre, Mass.
Selden, Mark Brian	Brooklyn, N. Y.
Shea, Howard Robert William	Holyoke, Mass.

Shearer, Kenneth Decker, Jr.	Lawrence, N. Y.
Sheppard, David Elson	Wallingford, Pa.
Shere, Joshua	Chicago, Ill.
Shields, Joseph Dunbar, III	Concord, N. H.
Shilling, A. Gary	Fremont, Ohio
Shoemaker, Charles Padley, Jr.	Franklin, N. J.
Sinauer, Andrew Douty	White Plains, N. Y.
Smith, Charles Moulton	Wellesley Hills, Mass.
Snellgrove, Richard Allen	Mount Vernon, N. Y.
Spater, Thomas Clark	Ardsley-on-Hudson, N. Y.
Spaulding, Richard Metcalf	Winchester, Mass.
Spencer, John Haines, Jr.	Pittsfield, Mass.
Springer, Melvyn Frederick	West Haven, Conn.
Stern, Henry Hirsh, Jr.	St. Louis, Mo.
Stern, Peter Douglas	Forest Hills, L. I., N. Y.
Steuer, Rene	Petropolis, Brazil
Stewart, Henry Holden	Waltham, Mass.
Stillman, James Sydney, III	Brookline, Mass.
Strausbaugh, James Nelson, Jr.	Meadville, Pa.
Strauss, David	Clayton, Mo.
Strauss, Peter Franc	Newtonville, Mass.
Sucsy, Richard George	Valley Stream, N. Y.
Suval, John Philip	New York, N. Y.
Sykes, Donald Myrick, Jr.	Bala-Cynwyd, Pa.
Taft, Robert Wilson	Shaker Heights, Ohio
Taft, Sheldon Ashley	Columbus, Ohio
Talner, Lee Bland	New Rochelle, N. Y.
Taylor, Andrew Lex	Lincoln, Mass.
Taylor, David Dax	St. Louis, Mo.
Teare, Robert Newell	Evanston, Ill.
Thomases, Robert Allan	Englewood, N. J.
Thombs, David Dawson	Charlestown, Ind.
Thompson, Kenneth Stuart	New York, N. Y.
Throop, Adrian Westbrook	Scarsdale, N. Y.
Tucker, Garrett Rezeau, III	Houston, Texas
Tulchin, Joseph Samuel	New York, N. Y.
Tulloch, James Douglas	Merrick, N. Y.
Ullmann, Laurence Emery	Lake Bluff, Ill.
Vaughan, Maurice Hamilton, Jr.	Wilmington, N. C.
Vonckx, Paul Nelson, Jr.	Hingham, Mass.
Wadhams, John Dellert	Bloomfield, Conn.
Wadors, Boniface	Linden, N. J.
Walker, Robert Andrew, Jr.	St. Davids, Pa.

Wallace, James Donald	Troy, N. Y.
Ward, Samuel Porter	Lake Bluff, Ill.
Watkins, Mark E.	Merion Station, Pa.
Webster, Robert Edward	Hamden, Conn.
Weinsaft, Malcolm Howard	Brooklyn, N. Y.
Weir, Thomas Wilson	Creve Coeur, Mo.
Weisberger, William Ira	Scarsdale, N. Y.
Weston, Alan Eugene	Cincinnati, Ohio
Wilcox, Harvey John	Elyria, Ohio
Willis, Clodius Harris, Jr.	Princeton, N. J.
Witte, Gerhard	Trenton, N. J.
Wolf, Howard Robert	New York, N. Y.
Wollan, David Strand	Hingham, Mass.
Wood, Albert Frederick	Amherst, Mass.
Wooten, Richard Leland	Summit, N. J.
Worfolk, Donald Edmund	Orange, Conn.
Wyly, William James, III	Kansas City, Mo.
Yegian, Charles Diran	Pelham, Mass.
Yeh, Max Wei	Davis, Calif.
Younger, Paul Holbrook	Barrington, Ill.
Zauber, Kenneth Paul	West Allenhurst, N. J.
Zimmermann, Robert Alan	Wyncote, Pa.

## Class of 1960

Allen, Julius Cadden	Norwich, Conn.
Allen, Robert Holt	St. Louis, Mo.
Allison, Alexander Cochrane, II	Garden City, N. Y.
Alonso, William Anthony	Santurce, Puerto Rico
Bailey, Thomas Emerson	Denver, Colo.
Baker, Jonathan Benjamin	Ventnor City, N. J.
Baldwin, Charles Stephen	Washington, D. C.
Baldwin, Gordon Corcoran	Westmount, Quebec, Canada
Barbash, Steven	Teaneck, N. J.
Barber, Wayne Sidman	Short Hills, N. J.
Barnett, Jay Gold	New York, N. Y.
Barrett, Colin Douglas	Arlington, Va.
Bartlett, John Beard	Bronxville, N. Y.
Bartlett, Richard Walter	Duxbury, Mass.
Bastian, John Frederick	Rochester, N. Y.
Bates, John Rhodes	Swarthmore, Pa.
Beer, Brian	Delmar, N. Y.
Belli, Pedro, Jr.	Managua, Nicaragua
Billings, John Curtis Harper, Jr.	Libertyville, Ill.

Blaich, Charles Richard	Poughkeepsie, N. Y.
Blume, Ralph Stuart	Yonkers, N. Y.
Boettiger, John Roosevelt	Lafayette, N. Y.
Bookwalter, John Robert	Columbiana, Ohio
Borton, John Carter, Jr.	Alexandria, Va.
Bradford, David Frantz	Arlington, Mass.
Breed, Putnam Pope	Lynn, Mass.
Breitenstein, Peter Frederic	Denver, Colo.
Brisk, Richard Allan	Great Neck, N. Y.
Broughton, Richard Glover	West Falmouth Mass.
Brower, Jonathan Porter	Belmont, Mass.
Brown, Robert Savage	St. Paul, Minn.
Brown, Thomas Patterson	Kirkwood, Mo.
Buchanan, John Goodwin	Washington, D. C.
Bulkeley, John Zane	Woodside, Calif.
Bump, Daniel Boardman	Weston, Mass.
Burnell, Edward John, III	Winnetka, Ill.
Cady, Joseph Lawrence, Jr.	Hastings-on-Hudson, N. Y.
Calkins, Robert Barkley	Creve Coeur, Mo.
Canoni, John David	Wellesley, Mass.
Capone, Arthur Albert	Revere, Mass.
Church, William Lawrence	Milwaukee, Wis.
Churchill, William Allen	Greenwich, Conn.
Clark, Richard James, Jr.	Winchester, Mass.
Clay, Reuben Anderson, Jr.	Richmond, Va.
Clements, Rex Stowers, Jr.	Bryn Mawr, Pa.
Cobb, Charles Wilbar	Newton Centre, Mass.
Cohen, Edward Alan	New York, N. Y.
Colby, William George, Jr.	Amherst, Mass.
Collins, Charles Thompson	So. Orange, N. J.
Connolly, Owen Robert	Weston, Mass.
Cook, Stuart William, Jr.	Glen Ridge, N. J.
Corbett, William James, Jr.	Tunnelton, Pa.
Cornell, John Russell	Scarsdale, N. Y.
Cromley, William Henry, Jr.	Moorestown, N. J.
Crooks, Arthur Hew Dalrymple	London, Ontario, Canada
Cross, John Grosvenor	Litchfield, Conn.
Crowley, James Edward	Holyoke, Mass.
Dalsimer, Timothy Allan	Cedarhurst, L. I., N. Y.
Darrow, Daniel de Schweinitz	Mission, Kan.
De Haas, Peter Hans	Maplewood, N. J.
Deutch, John Mark	Washington, D. C.
Dillon, William Walker	Ardsley-on-Hudson, N. Y.

DiNisco, Kenneth Faustino	Medford, Mass.
Dowell, George Howard, Jr.	Baltimore, Md.
Du Bois, Leon Joseph	Rochester, N. Y.
Duffy, George Richard, Jr.	Fall River, Mass.
Dunbar, Henry Packard	Brant Rock, Mass.
Durrell, John Blaine	Westport, Conn.
Dykstra, Kenneth James	Albion, N. Y.
Elder, Thomas Putnam	Amherst, Mass.
Farina, Terrance Lee	Cedarhurst, N. Y.
Ferguson, Richard Bert	State College, Pa.
Fine, Albert Hessel	Brookline, Mass.
Fishman, Louis Stephen	Jamaica, N. Y.
Fitzgerald, Roy Gerald, III	Dayton, Ohio
Flood, Charles Andrew	New York, N. Y.
Forgie, James William, Jr.	Bala-Cynwyd, Pa.
Foster, David Scott	Ithaca, N. Y.
Friendly, Jonathan	Washington, D. C.
Funk, David Gordon	Oak Park, Ill.
Gaskell, David Henry	West Burke, Vt.
Gernold, Richard Leonard	Eggertsville, N. Y.
Gilbert, Peter Richard	Brooklyn, N. Y.
Gillis, John Randall	Eggertsville, N. Y.
Glickman, Robert Morris	Brooklyn, N. Y.
Greek, Darold Irving, Jr.	Columbus, Ohio
Greenaway, Malcolm Graham, Jr.	New London, Conn.
Gross, Peter Alan	So. Orange, N. J.
Guthrie, Daniel Albert	Garden City, N. Y.
Hadley, Frederic Murray, Jr.	Indianapolis, Ind.
Hall, Richard Chandler	Washington, D. C.
Hanford, Samuel Roby	Rochester, N. Y.
Harriss, Richard Tompkins, III	Fairfield, Conn.
Hatfield, Philip Mitchell	Bedford, Ind.
Healy, James Joseph	Worcester, Mass.
Heaton, William Edwin, Jr.	Bronxville, N. Y.
Heckel, Philip Henry	Rochester, N. Y.
Henke, Joseph Thornbury	Seattle, Wash.
Henry, John Allen	Hingham, Mass.
Higbie, Robert Griggs	Bethesda, Md.
Hildreth, Arthur McLean	Rockville, Md.
Holland, Charles Howard	Wellesley, Mass.
Hollis, Robert Louis	Warren, Ohio
Holmes, Gordon, Jr.	Providence, R. I.
Hoorneman, Evan Robert	LeMars, Iowa

Hooton, Arthur, Jr.	Danbury, Conn.
Hopkins, Robert Parker	Hingham, Mass.
Hosford, Charles David	Amherst, Mass.
Howe, Peter Burnett	Verona, N. J.
Hubert, Richard Frank	Brookline, Mass.
Hulley, Stephen Benjamin	Hyannis, Mass.
Huston, Edwin Allen	Wynnewood, Pa.
Hutchinson, Bruce Willis	St. Paul, Minn.
Ingersoll, Andrew Perry	Brooklyn, N. Y.
Inskeep, Peter Vincent	Plainfield, N. J.
Jackson, James Spurgeon, Jr.	Yonkers, N. Y.
Jassie, Newton Laurence	Brooklyn, N. Y.
Jewett, Robert Allen	Springfield, N. J.
Johnson, Charles Wadsworth, III	Scarsdale, N. Y.
Johnson, James Stanley, Jr.	Altadena, Calif.
Johnson, Robert Maurice	Hyattsville, Md.
Jones, Clergue	New York, N. Y.
Jones, Hugh Richard, Jr.	New Hartford, N. Y.
Keady, Richard Emmett	Woodside, Calif.
Keally, Francis Taber	New York, N. Y.
Keffer, David Ralph	Titusville, N. J.
Keith, Thomas Barland, II	Marion, Iowa
Kelley, Frederick Eastman	Arlington, Mass.
Kirk, John Gallatin	Wilmington, Ohio
Kirschenbaum, Russell John	Harrison, N. Y.
Knapp, Hugh Heath	Colorado Springs, Colo.
Knapp, John Northcott	Cedar Rapids, Iowa
Kulukundis, Miles Alexander	Greenwich, Conn.
Kunian, Stephen Toby	Swampscott, Mass.
Langford, Malcolm Sparhawk, Jr.	Washington, D. C.
LaRowe, Peter Clark	Bronxville, N. Y.
Lawler, Robert Forrest	Greenfield, Mass.
Leach, Robert Lyman	Davenport, Iowa
Leeder, Robert John	Providence, R. I.
Leibowitz, Stewart	Richmond Hill, N. Y.
Lewis, Douglas Edward	Somerville, N. J.
Lewis, Roscoe Conklin, III	Washington, D. C.
Lewis, Ward Bevins, Jr.	Minneapolis, Minn.
Lord, John McCollum	Brewer, Maine
McClelland, James Craig	Berea, Ohio
McClure, Phillip Hutson	Chickasha, Okla.
MacConnell, Wade Sammis	Northport, N. Y.
McDowell, John Lee, III	Light Street, Pa.

MacGinnitie, Walter James	DeKalb, Ill.
McKenna, John William	So. Weymouth, Mass.
MacLaughlin, Douglas Earl	West Dover, Vt.
McRoberts, Robert Leslie	Sheboygan, Wis.
Mace, David Morrill	Fayetteville, N. Y.
Madgic, Robert Francis	Derby, Conn.
Mann, John Gunther, Jr.	Westfield, N. J.
Marvin, Charles, III	Woodbridge, Conn.
Middleton, Ronald Newell	Portville, N. Y.
Miller, James Robert	Great Neck, N. Y.
Miller, Lewis Holmes, Jr.	New York, N. Y.
Miller, Roland Merritt	Kinderhook, N. Y.
Myhr, Robert Owen	Hopkins, Minn.
Neal, John Bentley	White River Jct., Vt.
Neale, Henry	Scarsdale, N. Y.
Neill, Robert Lee, Jr.	Plainfield, N. J.
Neubauer, John	New York, N. Y.
Newcomb, Leonard Shelton	La Grange, Ill.
Newcomer, James Michael	New York, N. Y.
Nicholls, Richard Hall	Elkhart, Ind.
Nicol, Malcolm Foertner	Briarcliff Manor, N. Y.
Nisbet, Stephen Lee	Lake Bluff, Ill.
Northrup, Bruce Edgar	Marietta, Ohio
Parker, Frederick Allen, Jr.	Indianapolis, Ind.
Parkman, Robertson	Coraopolis, Pa.
Parry, Henry Donald	Utica, N. Y.
Paulson, Thomas Lynn	Washington, D. C.
Pennock, David Spanton	Saunders, R. I.
Perichitch, Milutin Ljoubichia	New York, N. Y.
Pesce, Joseph Raymond	West Haven, Conn.
Pettit, Donald Robert	Staten Island, N. Y.
Pierce, John Morley	Buffalo, N. Y.
Platte, Curtis Richard, Jr.	Pleasantville, N. Y.
Plowman, Frederick Blair	St. Paul, Minn.
Pochoda, Philip M.	New York, N. Y.
Pollak, Robert	Chevy Chase, Md.
Pollock, Donald David	So. Orange, N. J.
Poulimenos, Peter	Watertown, Mass.
Powell, David Edward	Brooklyn, N. Y.
Powell, Robert Philip	Chatham, N. J.
Pratt, Roger Sherman	New Milford, Conn.
Prindle, Roderic Marvin	Darien, Conn.
Purdy, David Allan	Ardsley, N. Y.

Quisenberry, John Anderson	Bronxville, N. Y.
Rains, Wilson Hill	Chevy Chase, Md.
Rapp, Clyde Edward, Jr.	Bloomfield Hills, Mich.
Raye, John Ramsey	Wellesley Hills, Mass.
Rhodes, Stanley Williams	Fayetteville, N. Y.
Richardson, John Paul	Springfield, Mass.
Rohrbaugh, Stephen Banker	Fayetteville, Ark.
Romer, James Henry	Cambridge, Mass.
Rooney, James Kevin	Dedham, Mass.
Rose, Stuart Ramage	New York, N. Y.
Rosenberg, William Gordon	Philadelphia, Pa.
Rosenn, Keith Samuel	Kingston, Pa.
Rosenthal, Kenneth	Paterson, N. J.
Rowell, David Benton	Amherst, Mass.
Rozman, David Stephen	Amherst, Mass.
Russell, Carlton Thrasher	Keene, N. H.
Sandstrom, Peter Gerhard	New York, N. Y.
Scanlon, Lee Francis	Cromwell, Conn.
Schmitt, Peter Van Hall	Snyder, N. Y.
Schneider, Martin Bennett	Philadelphia, Pa.
Schuster, George Slade, Jr.	Rochester, Minn.
Shactman, David Irwin	Swampscott, Mass.
Shaw, Stewart Henry	Meriden, Conn.
Shawwaf, Su'ud Mohammed Ali	Saudi Arabia
Shedler, Gerald Stuart	New Rochelle, N. Y.
Shick, Thomas Burt	Rochester, Minn.
Shumaker, Thomas Alvah	New Wilmington, Pa.
Simms, Edward MacLean	White Plains, N. Y.
Slobodin, Arthur Gregory	Lansdale, Pa.
Slocumb, John Crewe	Rochester, Minn.
Smith, Sanderson Morris	Grosse Pointe, Mich.
Snyder, Frederic Sylvester, II	Mount Prospect, Ill.
Snyder, Jeffrey Flood	Menasha, Wis.
Sokaris, Peter Gregory	Albany, N. Y.
Sonnenschein, Harry Adam	New York, N. Y.
Spencer, Norman Albert	Brooklyn, N. Y.
Steele, Robert Hampton	Wethersfield, Conn.
Stempien, Edward John, Jr.	Meriden, Conn.
Storey, Stephen Dean	Stanford, Calif.
Strobel, Reaves Ewalt, Jr.	Athol, Mass.
Strohm, Paul Holzworth, Jr.	Western Springs, Ill.
Swarenegen, Thomas Van	Jefferson City, Mo.
Swope, John Franklin	Croton-on-Hudson N. Y.

Taylor, James Gary	Denver, Colo.
Taylor, James Michael	Hamburg, N. Y.
Turner, Blair Hamilton	Evanston, Ill.
Urmy, Thomas Van Orden, Jr.	Williamstown, Mass.
van den Toorn, Pieter Cornelius	Upper Montclair, N. J.
Van Derzee, Sanford Vint, Jr.	Selkirk, N. Y.
Vetter, William Robert	Flushing, N. Y.
Vickers, William Fredrick	Andover, Mass.
Vogel, Robert Cross	Bloomfield Hills, Mich.
Wailas, Charles Henry	St. Louis, Mo.
Wechsler, Richard Carl	New York, N. Y.
Weiant, William Morrow	Metuchen, N. J.
Weinroth, Stephen David	New York, N. Y.
Weiser, Robert Ralph	Pottstown, Pa.
Weisfelder, Richard Frederick	Bronx, N. Y.
Wendler, John Wallace	N. Tonawanda, N. Y.
Wentzel, Alan Raymond	Wakefield, Mass.
Wessner, John M.	Blanchester, Ohio
Westcott, Peter Walter	Chatham, N. J.
Wettick, Ralph Stanton, Jr.	Sharon, Pa.
White, James Boyd	West Hartford, Conn.
Whitehead, John Francis, Jr.	Guilford, Conn.
Whittlesey, Stephen	Wellesley, Mass.
Wilder, Nicholas William George	Rochester, N. Y.
Will, George Frederick, Jr.	Garden City, N. Y.
Wilson, David Laurie	Albany, N. Y.
Wise, Morris Flarsheim	Cincinnati, Ohio
Wood, David Van Voorhis	Washington, D. C.
Wood, Harold Kenneth, Jr.	Chadds Ford, Pa.
Woodbridge, Timothy Frederick	Oak Ridge, Tenn.
Woodbury, Robert Louis	Reading, Mass.
Woody, George Edward	Wyncote, Pa.
Wynn, Richard Henry	Roslyn Heights, N. Y.
Zeckhauser, Robert Alan	Great Neck, N. Y.
Zgrodnik, Joseph Frank	Amherst, Mass.
Ziegler, John Leverett	Wilton, Conn.
Zimmerman, Paul David	Hartsdale, N. Y.

## Class of 1961

Aldrich, Ralph Edward	East Douglas, Mass.
Allard, Robert Gordon	Norwood, R. I.
Alschuler, Alfred Samuel	Highland Park, Ill.
Andrews, Charles Slade	Middlebury, Vt.

Andrews, Hugh Blackledge	<i>West Hartford, Conn.</i>
Anthony, Cushman Dodge	<i>Newton Centre, Mass.</i>
Bair, Gary	<i>Pleasantville, N. Y.</i>
Baker, George Griffith	<i>Montpelier, Vt.</i>
Barber, Edwin Lamont, III	<i>Falls Church, Va.</i>
Barnett, Walter Whitney	<i>Glastonbury, Conn.</i>
Barrett, Robert Scott	<i>Clayton, Mo.</i>
Bender, James Jay	<i>Long Beach, N. Y.</i>
Berek, Peter	<i>Brooklyn, N. Y.</i>
Berryman, Charles Beecher	<i>Jamaica, N. Y.</i>
Beyea, Jan Edgar	<i>Brooklyn, N. Y.</i>
Bixler, Sidney Rodgers	<i>Winchester, Mass.</i>
Blanck, Robert Murison	<i>Freeport, N. Y.</i>
Bookwalter, James Richard	<i>Columbiana, Ohio</i>
Booth, Chesley Peter	<i>Huntington, N. Y.</i>
Bornemann, David Richardson	<i>Havertown, Pa.</i>
Bracciotti, Paul Roger	<i>Stoneham, Mass.</i>
Bricker, David Carroll	<i>St. Louis, Mo.</i>
Brittan, Gordon Goodhue, Jr.	<i>Winnetka, Ill.</i>
Broadbent, Peter Allan	<i>Hanson, Mass.</i>
Browning, Robert Eugene	<i>Chappaqua, N. Y.</i>
Buchan, David Alexander	<i>Hillburn, N. Y.</i>
Bursk, John Howard	<i>Cohasset, Mass.</i>
Carlson, Gustaf Brainard	<i>Deep River, Conn.</i>
Catron, James Granville	<i>Springfield, Mass.</i>
Cheska, John Charles, Jr.	<i>Wantagh, N. Y.</i>
Chotkowski, Charles Joseph	<i>Fairfield, Conn.</i>
Clark, Charles Kilburn	<i>Wellesley Hills, Mass.</i>
Cleveland, Paul David	<i>New York, New York</i>
Clifford, Denis Joseph	<i>Montclair, N. J.</i>
Colvin, Timothy James	<i>Arlington Heights, Ill.</i>
Cox, Roger Frazier	<i>Wynnewood, Pa.</i>
Creane, James Bernard	<i>Holyoke, Mass.</i>
Cuthbertson, Robert Bruce	<i>Indianapolis, Ind.</i>
Daitz, Ronald Frederick	<i>Brooklyn, N. Y.</i>
Deane, Stuart Sneed	<i>Rock Tavern, N. Y.</i>
De Cicco, Peter Donald	<i>Port Chester, N. Y.</i>
Denny, Harry, III	<i>Bronx, N. Y.</i>
Denny, Robert Francis, Jr.	<i>Mexico, Mo.</i>
de Riszner, George C.	<i>Yonkers, N. Y.</i>
Dimond, Richard Charles	<i>Paterson, N. J.</i>
Doerfer, Gordon Lee	<i>Bethesda, Md.</i>
Drew, Richard Alan	<i>Hartford, Conn.</i>

Dudley, Earl Carlyle, Jr.	Vienna, Va.
Duethorn, Guenter Anton	Bethesda, Md.
Dunkman, William Bruce	Rochester, N. Y.
Easterling, Jack LeRoy	Cincinnati, Ohio
Ells, Theodore Fischer	Litchfield, Conn.
Engelhardt, Dean Lee	Oak Park, Ill.
Estey, Frederick Russell	Norwood, Mass.
Evans, Bruce Haselton	Rome, N. Y.
Fairchild, Paul Warner, Jr.	Hinsdale, Ill.
Fechheimer, Fred J.	Detroit, Mich.
Fentress, John Carroll	Chevy Chase, Md.
Ferry, Seneca Taylor, II	Webster Groves, Mo.
Finch, Douglas Snedden	Palo Alto, Calif.
Fletcher, James Preston	Chagrin Falls, Ohio
Fox, Eric Roger	Rockville Centre, N. Y.
Francesconi, Ralph Paul	Milford, Mass.
Franklin, Wesley Erwin	Moscow, Pa.
Frederick, Kenneth Dyer	Providence, R. I.
Fulton, Robert Campbell, III	New York, N. Y.
Gardiner, Richard	Forest Hills, N. Y.
Garner, Dennis Gary	St. Louis, Mo.
Garrett, George Kendall	Swarthmore, Pa.
Garrison, Lester LeRoy	Wilmette, Ill.
Gates, Jonathan Leland	Weston, Mass.
Gilman, Alfred Nichols	Los Angeles, Calif.
Goldberg, James Franklin	Washington, D. C.
Goldreyer, Bruce Neil	Jamaica, N. Y.
Goodhue, William Washburn	Garden City South, L. I., N. Y.
Gordon, Jeffrey Harold	Albany, N. Y.
Greenbaum, Alan Lester	New York, N. Y.
Greene, James Wilson	Lake View, N. Y.
Greene, Lowell Hampton, Jr.	Signal Mountain, Tenn.
Grose, Christopher Waldo	Amherst, Mass.
Grossman, Paul	Palo Alto, Calif.
Hamilton, David Bailey	Marshall, Mo.
Hardaway, Richard Travis, Jr.	Jamaica, N. Y.
Harper, Robert Leslie	Rochester, N. Y.
Harrison, Hall Edward	St. Louis, Mo.
Haskell, Wyatt Rushton	Birmingham, Ala.
Hassel, Jon Brian	Lakewood, Colo.
Hatch, Theron MacDowell, III	Melrose, Mass.
Havighurst, Douglas Alfred	Shaker Heights, Ohio
Haynes, Walter Dunlop	Washington, D. C.

Heermance, J. Noel	<i>New Rochelle, N. Y.</i>
Heidel, John Willard	<i>Delmar, N. Y.</i>
Herrick, Walter Dwight, III	<i>River Forest, Ill.</i>
Higgins, Douglas	<i>Orleans, Mass.</i>
Hill, Henry Albert, Jr.	<i>Paris, France</i>
Hill, James William, III	<i>Owings Mills, Md.</i>
Hinds, Alfred Boyd	<i>Bronxville, N. Y.</i>
Hobbs, Donald Nichols	<i>Ladue, Mo.</i>
Hopkins, Thomas Alexander	<i>Pittsburgh, Pa.</i>
Horsfall, Frank Lappin, III	<i>Malba, L. I., N. Y.</i>
Horton, Timothy Warner	<i>Saddle River, N. J.</i>
Howland, Richard Moulton	<i>Amherst, Mass.</i>
Hudspeth, William Junia, Jr.	<i>Houston, Tex.</i>
Hurlbert, Stuart Hartley	<i>Summit, N. J.</i>
Husbands, Charles William	<i>Littleton, Colo.</i>
Inglis, Richard	<i>Shaker Heights, Ohio</i>
Janes, Alec Leslie	<i>St. Louis Park, Minn.</i>
Jardine, David Ramsay	<i>Lyndonville, Vt.</i>
Johnson, David, III	<i>Gates Mills, Ohio</i>
Johnson, Robert Veiling	<i>Laconia, N. H.</i>
Johnson, Ronald Edward	<i>Nyack, N. Y.</i>
Johnson, Steven Brian	<i>Pelham, Mass.</i>
Jones, Theodore Charles	<i>Vincentown, N. J.</i>
Junker, Howard Henry	<i>Chappaqua, N. Y.</i>
Kaufman, Thomas Howard	<i>Winnetka, Ill.</i>
Keener, Harry Alan	<i>Akron, Ohio</i>
Keith, William Bradford	<i>Brockton, Mass.</i>
Klein, Richard Benson	<i>Philadelphia, Pa.</i>
Kneisly, John Amos, II	<i>Bethesda, Md.</i>
Knight, Kirk Lay	<i>Noroton, Conn.</i>
Knight, William Nicholas	<i>Manchester, Conn.</i>
Knipp, Charles Christopher	<i>Baltimore, Md.</i>
Knowles, Stephen Howard	<i>Northport, N. Y.</i>
Kohn, Monroe Alan	<i>Bridgeport, Conn.</i>
Kohn, Thomas Edward	<i>Milwaukee, Wis.</i>
Kozera, Richard John	<i>Hadley, Mass.</i>
Krismann, Theodore Cheff	<i>Boston, Ohio</i>
Kugler, Robert Alexander	<i>Winchester, Mass.</i>
Kuhn, Peter Pangman	<i>Warwick East, Bermuda</i>
Kuklis, Robert Darryle	<i>Darien, Conn.</i>
Landy, Arthur Haym	<i>Elkins Park, Pa.</i>
Levine, Mark Roger	<i>University Heights, Ohio</i>
Liebson, John David	<i>Richmond Heights, Mo.</i>

Lock, Frank Ray, Jr.	Winston-Salem, N. C.
Locke, John J., Jr.	Carmel, N. Y.
Long, James Edward	Holyoke, Mass.
Long, Roger Allen	Cuyahoga Falls, Ohio
Lowy, Martin Eric	Bronx, N. Y.
Luttmann, Frederick William, Jr.	Chappaqua, N. Y.
Lyon, John Wilson	Claremont, Calif.
McGowan, Thorburn Jackson	New London, Conn.
Magie, Joel Tabor	Millbridge, Me.
Mallory, Andrew	Havertown, Pa.
Martula, Richard John	Hadley, Mass.
Masters, Stanley Hinman	Winchester, Mass.
Menschel, Stephen	Woodmere, N. Y.
Merritt, John Otis	Williamsburg, Mass.
Milkowski, Gerald Charles	Willimantic, Conn.
Morris, George Washington, III	South Orange, N. J.
Mossman, Donald Petithory, III	Brewster, N. Y.
Munoz, Adolfo Thomas	Caracas, Venezuela
Myers, Howard Barton, Jr.	Washington, D. C.
Naess, Michael Ragnar	New York, N. Y.
Neal, Mansfield Castleton, Jr.	Washington, D. C.
Neimeyer, Harry Talbot	Duluth Minn.
Niskanen, Anthony Stuart	Philadelphia, Pa.
Noyes, James Walton	Swarthmore, Pa.
Olesker, Landis	New York, N. Y.
O'Mara, Kevin James	Wethersfield, Conn.
Otterstrom, James Rutger	Darien, Conn.
Owen, Douglas Henry, Jr.	Louisville, Ky.
Owen, Robert Aneurin	Wayzata, Minn.
Park, Tae Wi	Taegu, Korea
Parks, John Scott	Washington, D. C.
Pearsall, Edward Spaulding	Hewlett, N. Y.
Pennington, Roger Bower	Summit, N. J.
Perabo, Frederick Hernan	Plainfield, N. J.
Perkins, Charles Edward	Webster Groves, Mo.
Perkins, William Robert, III	Washington, D. C.
Perlinder, Stephen	Hewlett Bay Park, N. Y.
Pratt, William Porter, Jr.	Hingham, Mass.
Rand, Philip Tyler	Egypt, Mass.
Rapp, William Venable	New York, N. Y.
Ratzan, Kenneth Roy	Woodmere, N. Y.
Raub, William Longstreth, III	Winnetka, Ill.
Rein, Bert Walter	Brooklyn, N. Y.

Rhines, Christopher Symonds	Glastonbury, Conn.
Richardson, Joseph White	Lexington, Va.
Ring, David Mellow	Rumford, R. I.
Rogers, Peter Leslie	Hartford, Conn.
Ronveaux, John Arthur	Wappingers Falls, N. Y.
Rosengard, Robert Simon	Brighton, Mass.
Rosengren, Jon	Fergus Falls, Minn.
Ross, Norman Clark	Gloucester, Mass.
Sargent, Robert Anders	New York, N. Y.
Savage, John Edward, Jr.	Towson, Md.
Scattergood, Joseph, III	West Chester, Pa.
Schwartz, Peter Damon	Longmeadow, Mass.
Scott, Jonathan Fletcher	Kansas City, Mo.
Shasha, Gilbert Roger	New London, Conn.
Sheehan, Laurence Francis	Hamden, Conn.
Shepley, Steven Charles	Bethesda, Md.
Sheppard, Robert Allen	Packanack Lake, N. J.
Shoemaker, Robert Worrall	Franklin, N. J.
Siegel, Robert	Nutley, N. J.
Sisson, Jerry Tripp	Westfield, N. J.
Slade, Norman Timothy	White Bear Lake, Minn.
Slights, William Wellington Ent	West Hartford, Conn.
Smith, David Tappan	Fair Lawn, N. J.
Snyder, Stuart Grant	Portland, Me.
Spence, Warren Andrew	Port Washington, N. Y.
Spire, Richard Lee	Washington, D. C.
Steinle, Paul Michael	Sidney, Ohio
Stewart, Lee Douglas	Palos Verdes, Calif.
Stiglitz, Mark Lawrence	Gary, Ind.
Stromberg, Kurt Jay	Albuquerque, N. M.
Sullivan, Arthur Ambrose, Jr.	Wilmette, Ill.
Swinton, John Ralph	Colonia, N. J.
Switky, Frederick David	Plainfield, N. J.
Szczepanek, Paul Stanley	Ware, Mass.
Szlosek, Richard Walter	Northampton, Mass.
Teiwes, Frederick Carl	Hastings-on-Hudson, N. Y.
Thatcher, Daniel Hubbell	St. Louis, Mo.
Thatcher, Philip King	Reno, Nev.
Thomason, Melville Campbell	Lenox, Mass.
Thompson, Arthur Rumford, III	Kansas City, Mo.
Thompson, Robert Sharpe	Chevy Chase, Md.
Touborg, Jens Nicolai Friis	Tecumseh, Mich.
Tower, Ralph Burnett, Jr.	Morgantown, W. Va.

Trattner, James Harold	<i>Beverly Hills, Calif.</i>
Trumble, Alexander Daniel	<i>Kenmore, N. Y.</i>
Tufts, David Tamblyn	<i>Briarcliff Manor, N. Y.</i>
Turner, John Gosney	<i>Longmeadow, Mass.</i>
Twombly, Alexander Stevenson, III	<i>North Andover, Mass.</i>
Ullman, Richard Leo	<i>Hockessin, Del.</i>
Updike, Charles Bruce	<i>Hartsdale, N. Y.</i>
van Dyck, Olin Blair	<i>Rochester, N. Y.</i>
Van Tassel, Eric Robert	<i>Hastings-on-Hudson, N. Y.</i>
Varmus, Harold Eliot	<i>Freeport, N. Y.</i>
Venman, Robert Lyon	<i>Bridgeport, Conn.</i>
Vesselago, Michael George	<i>Philadelphia, Pa.</i>
Waite, John Lapp	<i>Rochester, N. Y.</i>
Walker, Bruce Howlett	<i>Bronxville, N. Y.</i>
Wallace, Fred Lewis	<i>Toledo, Ohio</i>
Ward, Peter Cowgill	<i>Haverford, Pa.</i>
Watson, Henry Ross	<i>Bryn Mawr, Pa.</i>
Weiner, Robert Gills	<i>West Hartford, Conn.</i>
Welch, George Wilbur	<i>Narberth, Pa.</i>
West, Joseph Thomas, Jr.	<i>Oklahoma City, Okla.</i>
Whitney, George Crosier, III	<i>Geneva, N. Y.</i>
Whitney, John Sargent, Jr.	<i>Middleburg, Va.</i>
Whyte, Frederick Edwin	<i>Claremont, Calif.</i>
Willard, Bruce Everett	<i>East Hartford, Conn.</i>
Williams, Robert Wade	<i>Medfield, Mass.</i>
Willis, John Richard	<i>Cape Elizabeth, Me.</i>
Wilson, Richard Chase	<i>Pitman, N. J.</i>
Wirtz, Richard Stanley	<i>Winnetka, Ill.</i>
Wood, James Thornton	<i>Schenectady, N. Y.</i>
Wood, Jeremiah	<i>Gloversville, N. Y.</i>
Wood, Thomas Edward	<i>Sherman Oaks, Calif.</i>
Woodcock, John Alexander	<i>Huntington, N. Y.</i>
Young, Evan Charles	<i>Akron, Ohio</i>
Young, Ralph Aubrey	<i>Washington, D. C.</i>
Zajchowski, Richard Allen	<i>Chicopee, Mass.</i>
Zeitler, Richard	<i>New York, N. Y.</i>

## Special Students Not Enrolled as Candidates for a Degree

Bouillaguet, John	Paris, France
Gilman, Enid Marion	<i>Asbury Park, New Jersey</i>
Gottschalk, Klaus-Dieter	<i>Krefeld-Bockum, Germany</i>
Hassoun, Paul	<i>Paris, France</i>
Herz, Amy	<i>Paterson, New Jersey</i>
Kuepper, Karl Josef	<i>Koln-Bickendorf, Germany</i>
Luddy, Frederick L.	<i>Northampton, Massachusetts</i>
Lueth, Virginia Bullock	<i>Evanston, Illinois</i>
Marston, Diana Sargent	<i>Indianapolis, Indiana</i>
Tallon, Alain Francois	<i>Riom, France</i>
Temple, Linda	<i>Hamden, Connecticut</i>
Vivanco, Hugo Gonzales	<i>Santiago, Chile</i>
Watson, John Roy, Jr.	<i>Leominster, Massachusetts</i>

## SUMMARY OF ENROLLMENT

Graduate Students.....	9
Seniors.....	242
Juniors.....	276
Sophomores.....	271
Freshmen.....	255
Students Not Enrolled as Candidates for a Degree.....	13
 Total.....	 1066

CLASSIFICATION OF UNDERGRADUATES  
BY RESIDENCE

New York.....	279	Colorado.....	12
Massachusetts.....	162	Michigan.....	11
New Jersey.....	81	Maine.....	8
Connecticut.....	79	Virginia.....	8
Pennsylvania.....	66	Indiana.....	7
Ohio.....	51	Tennessee.....	6
Illinois.....	46	Wisconsin.....	6
District of Columbia.....	30	Iowa.....	5
Missouri.....	29	Texas.....	5
Minnesota.....	26	New Hampshire.....	4
Maryland.....	24	Delaware.....	3
California.....	18	Kentucky.....	3
Rhode Island.....	16	Kansas.....	2
Vermont.....	15	New Mexico.....	2

North Carolina.....	2	Canada.....	3
Nebraska.....	2	Japan.....	3
Oklahoma.....	2	France.....	2
West Virginia.....	2	Argentina.....	1
Alabama.....	1	Bermuda.....	1
Arizona.....	1	Brazil.....	1
Arkansas.....	1	China.....	1
Florida.....	1	Germany.....	1
Nevada.....	1	Greece.....	1
Washington.....	1	Nicaragua.....	1
Honolulu, T. H.....	2	Saudi Arabia.....	1
Puerto Rico.....	2	Venezuela.....	1
Korea.....	4	Yugoslavia.....	1
			—
		TOTAL.....	1044



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VI

*The Alumni Associations*

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## Alumni Associations

### THE SOCIETY OF THE ALUMNI

(Annual Meeting in Commencement Week)

<i>Honorary President:</i>	THOMAS C. ESTY, '93
<i>President:</i>	BRUCE BARTON, '07
<i>Vice Presidents:</i>	HARRY C. WILDER, '13 ALFRED S. ROMER, '17 HARRY S. FERGUSON, '23 FREDERIC M. HADLEY, '28 EDWARD J. BURNELL, '33
<i>Secretary-Treasurer:</i>	J. ALFRED GUEST, '33
<i>Nominating Committee:</i>	DWIGHT B. BILLINGS, '18, <i>Chairman</i> RICHARD J. CLARK, '28 JOHN JEPSON, '38 HAROLD I. EWEN, '43 PETER H. WINN, '48
<i>Inspectors of Election:</i>	ROY R. BLAIR, '18, <i>Chairman</i> WILLIAM H. ROSS, '29 H. HILLS SKILLINGS, '38
<i>Committee to Nominate Alumni Trustees:</i>	DEXTER M. KEEZER, '18, <i>Chairman</i> ROBERT B. FREEMAN, '23 WILLIAM ALLAN, '33 EDWIN F. SHERMAN, JR., '38 ROBERT M. BROWN, '43

## THE ALUMNI COUNCIL OF AMHERST COLLEGE

*Chairman:* BRUCE BARTON, '07

*Secretary:* J. ALFRED GUEST, '33

*Executive Committee:*

JOHN B. PRIZER, '29, <i>Chairman</i>	
CLARENCE FRANCIS, '10 <i>ex-officio</i>	HOWARD O. COLGAN, '32
ROBERT J. DAVIS, '19	ARTHUR R. ENGLISH, '35
HARRY W. KNIGHT, '31	GEORGE T. BRISTOL, '36

## REPRESENTATIVES OF CLASSES

1884	WALTER F. WILLCOX	1925	LYLE W. HORNBECK
1888	ALBERT S. BARD	1926	PAUL C. FRENCH
1889	EDWARD FAIRBANK	1927	GORDON HOLMES
1891	GEORGE L. LEONARD	1928	JOHN COOLIDGE
1892	ALLAN P. BALL	1929	JOHN B. PRIZER
1894	CORNELIUS S. HURLBUT	1930	DONALD P. FELT
1895	FREDERICK H. LAW	1931	WILLIAM F. MERRILL
1897	STEPHEN RUSHMORE	1932	NORMAN W. TURNER
1899	EVERETT E. THOMPSON	1933	RICHARD H. GREGORY, JR.
1900	ALDEN H. CLARK	1934	ROBERT D. COX
1901	JOSEPH WARNER	1935	JOHN C. BOYDEN
1902	GEORGE C. CLANCY	1936	MINOT GROSE
1903	ARTHUR T. FOSTER	1937	FAIRMAN C. COWAN
1904	FAYETTE B. DOW	1938	FREDERICK O. SCHWEIZER
1905	FRANK S. HAYDEN	1939	JAMES A. STEWART
1906	GEORGE W. PORTER	1940	HOWARD WILLIAMS
1907	JOHN M. WALLER	1941	GEORGE R. YERRALL, III
1908	HAROLD J. BAILY	1942	JAMES T. KAULL, JR.
1909	DONALD D. MCKAY	1943	ROBERT A. EATON
1910	ALBERT R. JUBE	1944	HENRY F. DUNBAR, JR.
1911	CARLETON B. BECKWITH	1945	JOHN H. MADDEN
1912	HOWARD F. BURNS	1946	MALCOLM K. SKIPTON, JR.
1913	JOHN T. STORRS	1947	EDWIN C. VAN VALEY
1914	W. OTWAY MORROW	1948	RICHARD D. TIETJEN
1915	JAMES KELLUM SMITH	1949	WILLIAM R. PARK
1916	EDWIN H. LUTKINS	1950	WILLIAM J. YOUNG
1917	C. EDGAR MAYNARD	1951	DAVID D. REED
1918	PHILIP R. ARNOLD	1952	PAUL GEITHNER
1919	WINFIELD W. RIEFLER	1953	CARLE F. JENKINS
1920	E. NORTON REUSSWIG	1954	WILLIAM E. WHITNEY
1921	STUART R. FRENCH	1955	J. ALAN MCLEAN
1922	JOHN C. ESTY	1956	JERRY A. COGAN, JR.
1923	RICHARD B. COWAN	1957	CHARLES F. TURGEON
1924	LINCOLN S. CAIN		

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Amherst Club of New York	{	GEORGE M. ROWLAND, JR., '26
Boston	{	L. NEILAND GALLAGHER, '51
Buffalo	{	H. NELSON CONANT, '16
Central Massachusetts	{	JOHN A. CRANSHAW, '39
Central New York	{	NELSON STONE, '13
Chicago	{	HARRISON G. TAYLOR, JR., '42
Cincinnati	{	WILLIAM H. GREENE, '42
The Columbia	{	EDWARD J. BURNELL, '33
Columbus	{	JAMES G. HEADLEY, '32
Connecticut	{	PERCY W. BLANCHARD, '02
Connecticut Valley	{	DANIEL M. GALBREATH, '50
Florida	{	EDWARD C. ANDREWS, '26
Indiana	{	MALCOLM K. SKIPTON, JR., '46
Michigan	{	HOWARD WILLIAMS, '40
Northeastern New York	{	ORIN M. PHELPS, '24
Northern California	{	FOREST W. BLANTON, '21
Northern Ohio	{	GEORGE W. WILLIAMS, '11
Northwest	{	ARTHUR P. WHITE, '16
Philadelphia	{	CORYDON JONES, '24
Rhode Island	{	MERRILL H. BOYNTON, '16
Rochester	{	LAURENCE T. MAYHER, '30
Rocky Mountain	{	HENRY S. KINGMAN, '15
St. Louis	{	ROBERT F. LEHMAN, '31
Southeast	{	ROBERT L. LEININGER, '44
Southern California	{	C. GEORGE TAYLOR, '39
Texas	{	WILLARD C. CASE, '49
Washington, D. C.	{	GRANT M. FORD, '45
Washington State	{	STANLEY J. BIRGE, '08
Western Pennsylvania	{	INGRAM DICKINSON, '26
Wisconsin	{	FREDERICK S. BALE, '06

## MEMBERS AT LARGE

CLARENCE FRANCIS, '10	HARRY W. KNIGHT, '31
SYDNEY D. CHAMBERLAIN, '14	HOWARD O. COLGAN, JR., '32
ROBERT J. DAVIS, '19	ARTHUR R. ENGLISH, '35
J. HENRY NEALE, '24	GEORGE T. BRISTOL, '36
ROBERT C. FULTON, '30	PAUL E. BRAGDON, '50
HERBERT J. LYALL, '31	

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RICHARD C. SPAULDING, <i>Secretary</i>	135 Fellows Ave., Syracuse

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 H. PRENTICE BROWNING, *Secretary* 108 No. Pennsylvania St., Indianapolis

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 JOHN W. PRIESING, *Secretary* 7501 W. Jefferson St., Detroit

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 JAMES A. CORRIGAN, *Secretary* University of Chicago, 38 So. Dearborn St.

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 JOSEPH R. KINGMAN, III, *Secretary* First National Bank, Minneapolis

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 GIBSON GARDNER, *Secretary* 4525 East Colfax Ave., Denver 20

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 WILLIAM R. CHAPPELL, *Secretary* 1604 Main St., Dallas

## THE ASSOCIATION OF HOUSTON, TEXAS

ROBERT K. MOSES, *President* 1110 Lockwood Dr., Houston  
 DOUGLAS S. CRAIG, *Secretary* P.O. Box 2608, Houston

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 ROBERT L. HICKS, *Secretary* 7613 Willow Glen Rd., Los Angeles 46

## THE ASSOCIATION OF NORTHERN CALIFORNIA

C. SELBY MASON, *President* 3249 Pacific Ave., San Francisco  
 JOHN O. TODD, JR., *Secretary* 1500 Francisco, Apt. 11, San Francisco

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VII

*Appendix*

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## Appendix

### SCHOLARSHIP FUNDS

The following is a list of the Scholarship Funds of the College, as of June 30, 1957, the income of which is available for Scholarships and other forms of Student Aid.

Frederick S. Allis Scholarship Fund.....	\$ 4,065.00
Anderson Scholarship.....	1,870.00
Frank L. Babbott Scholarship.....	10,000.00
Lydia Richardson Babbott Endowment Fund.....	50,000.00
Danforth Keyes Bangs Scholarship Fund.....	4,000.00
Edmund P. Barker and Susan Marvin Barker Scholarship Fund.....	8,107.06
Ivory H. Bartlett Scholarship Fund.....	5,000.00
Beecher Scholarship Fund.....	76,992.79
Albion F. Bemis Scholarship Fund.....	2,000.00
Borden Scholarship.....	1,870.00
Dolly Coleman Blake Scholarship Fund.....	1,000.00
Chandler Matthews Bray Scholarship Fund.....	19,750.00
William Louis Bray Class of 1858 Scholarship Fund.....	100.00
Bazil W. Brown, '53.....	100.00
Alexander H. Bullock Scholarship Fund.....	1,500.00
George M. Butler Class of 1897 Scholarship Fund.....	1,000.00
Butts Scholarship Fund.....	8,000.00
John A. Callahan Scholarship Fund.....	7,770.00
Joseph Carew Scholarship Fund.....	1,046.40
George B. Carter '06 Scholarship Fund.....	2,000.00
Centennial Gift.....	123,400.00
The Charitable Fund.....	127,527.06
Edwin Clapp Scholarship.....	4,625.00
Jefferson Clark Scholarship Fund.....	10,000.00
The Lewis F. Clark Scholarship Fund.....	10,000.00
Class of 1826 Scholarship Fund.....	500.00
Class of 1831 Scholarship Fund.....	1,255.00
Scholarship of the Class of 1836.....	1,250.00
Scholarship Fund of the Class of 1839.....	1,200.00
Scholarship Fund of the Class of 1844.....	500.00
Class of 1845 Scholarship Fund.....	1,000.00
Class of 1846 Scholarship Fund.....	1,000.00
Class of 1849 Scholarship Fund.....	1,000.00
Class of 1850 Scholarship Fund.....	1,230.00

Class of 1852 Scholarship Fund.....	\$ 1,000.00
Class of 1853 Scholarship Fund.....	1,500.00
Class of 1855 Scholarship Fund.....	1,121.83
Scholarship Fund of the Class of 1856.....	1,000.00
Class of 1857 Scholarship Fund.....	1,500.00
Scholarship Fund of the Class of 1858.....	1,250.09
Class of 1859 Scholarship Fund.....	2,650.00
Class of 1860 Scholarship Fund.....	3,000.00
Class of 1861 Scholarship Fund.....	3,000.00
Class of 1865 Scholarship Fund.....	1,008.31
Class of 1869 Scholarship Fund.....	2,670.76
Scholarship Fund of the Class of 1871.....	2,186.11
Class of 1873 Scholarship Fund.....	5,000.00
Class of 1877 Scholarship Fund.....	2,500.00
Class of 1880 Scholarship Fund.....	3,038.96
Class of 1897 Scholarship.....	4,000.00
Composite Scholarship Fund—Classes of 1829, '35, '38, '66, '67, '70.....	1,262.28
1927 Memorial Fund.....	11,526.00
Class of 1928 25-Year Memorial Fund.....	14,097.00
Class of 1929 25-Year Memorial Fund.....	11,411.00
Class of 1930 25-Year Memorial Fund.....	20,123.00
Class of 1931 25-Year Memorial Fund.....	16,261.00
Class of 1932 25-Year Memorial Fund.....	23,217.36
Class of 1933 25-Year Memorial Fund.....	4,515.86
Class of 1935 25-Year Memorial Fund.....	1,910.30
Class of 1936 25-Year Memorial Fund.....	45.77
E. C. Converse Scholarship Fund.....	50,000.00
George Cook Scholarship Fund.....	1,050.00
William Lyman Cowles Class of 1878 Scholarship Fund.....	3,000.00
Miner D. Crary Scholarship Fund.....	12,113.00
Crosby Memorial Scholarship Fund.....	27,000.00
William Cutler and Harriette Gilbert Cutler Memorial Scholarship.....	15,520.00
Day Benevolent Fund.....	5,000.00
Enos Dickinson Scholarship Fund.....	1,258.33
Sidney and Hannah Dillon Fund.....	5,000.00
The Dodge Fund.....	4,841.38
W. F. Draper Scholarship Fund.....	2,550.00
Charles R. Drew Memorial Scholarship.....	10,166.00
Lucius R. Eastman Fund.....	10,000.00
James M. Ellis Fund.....	5,056.11
Addison Alvord Ewing Scholarship Fund.....	9,000.00

Isaac D. Farnsworth Scholarship Fund.....	\$ 3,000.00
The Thomas P. Field Scholarship Fund.....	10,000.00
Fiske and Warren Scholarships.....	2,787.44
Daniel M. Galbreath Scholarship Fund.....	10,019.00
Augustine Milton Gay Scholarship Fund.....	5,056.44
Emerson Gaylord Scholarship Fund.....	8,000.00
Henry Hill Goodell Class of 1862 Scholarship Fund.....	2,000.00
Harry P. Greeley Scholarship Fund.....	15,256.06
Greene Scholarship.....	1,000.00
The Henry Gridley Scholarship of the Class of 1862.....	2,060.49
Thomas Hale Scholarship Fund.....	1,000.00
George A. Hall Scholarship Fund.....	5,000.00
William Hilton Scholarship Fund.....	50,000.00
Hitchcock Scholarship Endowment.....	11,270.00
George Frisbie Hoar Fund.....	1,000.00
Clarissa Dodge Howard Scholarship Fund.....	10,000.00
William R. Howard Scholarship Fund.....	5,000.00
The Hubshman Foundation Scholarship Fund.....	31,580.00
John Montgomery Hunter Scholarship Fund.....	27,221.47
Mary W. Hyde Scholarship Fund.....	1,000.00
Sarah B. Hyde Scholarship Fund.....	1,000.00
Infirmary Aid Fund.....	2,100.00
A. J. Johnson Scholarship Fund of the Class of 1823.....	1,046.40
Victor S. Johnson Student Loan Fund.....	6,500.00
Edward P. Judd Memorial Scholarship Fund.....	15,442.00
Eugene Kimball Scholarship Fund.....	2,000.00
John C. Kimball Scholarship.....	1,000.00
Knowles Scholarship Fund.....	3,000.00
Payne P. Larsen, in memory of Frederick B. Richardson.....	5,335.83
Andrew D. Lawrie Scholarship Fund.....	101,125.00
Henry Lobdell Scholarship Fund.....	2,000.00
Ludington Scholarship Fund.....	100,000.00
Charlotte Procknow McClelland Fund.....	500.00
George W. McFadden, Jr. Scholarship Fund.....	5,554.97
Francis J. Marsh Memorial Fund.....	5,000.00
Charles Merriam Scholarship.....	2,415.00
Charles E. Merrill Scholarship Fund.....	22,800.00
Charles Morton Merrill Fund.....	100,000.00
J. C. B. Miller Scholarship Fund.....	1,000.00
Moore Beneficiary Fund.....	38,770.48
Charles F. Morse Scholarship Fund.....	225.00
Anson Daniel Morse Memorial Scholarship Fund.....	2,500.00
C. L. Morse Scholarship Fund.....	2,000.00

George A. Morse Memorial Scholarship Fund.....	46,758.51
Harold Ely Morse Memorial Scholarship Fund.....	2,500.00
J. C. Newton Scholarship Fund.....	1,230.00
LaVerne Noyes Foundation.....	9,600.00
Newton Scholarship Fund.....	1,000.00
Edward H. Perkins Jr. Scholarship Fund.....	5,000.00
Persian Scholarship Fund.....	2,082.85
Asa Clinton Pierce Scholarship Fund.....	5,000.00
George D. Pratt Scholarship Fund.....	49,462.50
President's Loan Fund.....	15,000.00
Reed Scholarships.....	2,500.00
George Milton Reed Scholarship Fund.....	5,056.11
Emily B. Ripley Scholarship Fund.....	1,000.00
S. Robinson Scholarship Fund.....	3,000.00
E. Russell Scholarship Fund.....	8,000.00
Lowell Russell Scholarship Fund.....	1,041.94
John E. Sanford Class of 1851 Scholarship Fund.....	10,000.00
Schroeder Memorial Fund.....	6,369.00
James S. Seymour Scholarship Fund.....	5,000.00
Andrew Baird Simpson Scholarship Fund.....	5,000.00
Ellis R. Smith Scholarship Fund.....	500.00
Harry deForest Smith Scholarship Fund.....	5,316.76
Isaac F. Smith Student Loan Fund.....	6,372.00
Luther Ely Smith Memorial Fund.....	11,856.00
Wells Southworth—Class of 1822 Scholarship Fund.....	1,280.00
Special Endowment Fund No. 2.....	25,000.00
Charles J. Staples Memorial.....	25,000.00
Harold Parker Stevens Fund.....	32,964.17
Caleb Stimson Fund.....	19,900.00
Stone Educational Fund.....	25,000.00
Frederic N. Stone Scholarship Fund.....	4,924.17
Harlan F. Stone Memorial Scholarship Fund.....	30,000.00
Henry E. Storrs Scholarship Fund.....	5,000.00
Charles Snow Thayer Scholarship Fund.....	1,000.00
L. H. Thayer Scholarship Fund.....	5,000.00
Elizabeth W. McCormick Tucker Scholarship Fund.....	1,000.00
Bessy Tucker Scholarship Fund.....	13,344.48
Quincy Tufts Scholarship Fund.....	2,000.00
Sarah Tuttle Scholarship Fund.....	1,042.00
W. S. Tyler of the Class of 1830 Fund.....	1,000.00
George H. Watson Memorial Fund.....	62,705.79
Edwin P. Wells Scholarship Fund.....	32,295.43
Whitcomb Scholarship Fund.....	12,000.00

Donald G. White Jr. Memorial Fund.....	\$ 2,303.00
Herbert Otis White Scholarship Funds.....	12,000.00
Whitehall Foundation, Inc.....	1,000.00
Elmer W. Wiggins Fund.....	110,558.87
Harry Wilbur Scholarship Fund.....	5,000.00
David Winslow Scholarship Fund.....	200.00
Henry Lawrence Wilkinson Memorial Fund.....	5,000.00
The Williams Scholarship Fund.....	257.80
Worcester Scholarship Fund.....	5,000.00
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	\$2,066,995.72



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*Index*

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# Index

- Administration 23  
Attendance 23  
Health 24  
Occupational guidance 26  
Records and reports 24  
Rooms and board 24  
Student discipline 23  
Terms and vacations 23  
Admission 19  
Advanced Placement 20  
Application for 19  
Cooperative M. I. T. program 22  
Examinations 20  
From other colleges 21  
Interview hours 19  
Regents examinations 21  
Alumni Associations 191  
Eastern and southern 194  
Central and far western 195  
Alumni Council 191  
Association representatives 193  
Class representatives 192  
Members at large 193  
American Studies 47  
Amherst College 8  
Amherst College Library 46  
Amherst curriculum 36  
Amherst, residents of 31  
Anthropology 54  
Application fee 19  
Assistants 44  
Associate 44  
Astronomy 55  
Attendance 23  
Bachelor of Arts 32  
Beneficiary aid 29  
Bills, payment of 27  
Biology 56  
Board 24  
Bond Fifteen 134  
Calendar 4  
Chemistry 59  
Classics 62  
College Board tests 20  
College calendar 5  
Committees of the corporation 7  
Committees of the faculty 44  
Comprehensive fee 27  
Contents 3  
Cooperative M. I. T. program 22  
Corporation of the College 6  
Course descriptions 51  
Independent Reading 51  
American Studies 51  
Anthropology 54  
Astronomy 55  
Biology 56  
Chemistry 59  
Classics 62  
Dramatic Arts 66  
Economics 67  
Education 70  
English 71  
Fine Arts 75  
French 78  
Geology 82  
German 85  
Greek 63  
History 89  
Humanities 95  
Italian 96  
Latin 64  
Legal Studies 97  
Mathematics 98  
Music 100  
Philosophy 104  
Physical Education 108  
Physics 108  
Political Science 111

- Psychology 116  
Public Speaking 120  
Religion 121  
Russian 123  
Science 123  
Spanish 125  
Curriculum, the Amherst 36
- Degree fee 27  
Degrees 32  
    Bachelor of Arts 32  
    Conferred, 1956, 151  
    Honorary 151  
    Master of Arts 32  
    With honors 34
- Discipline 23  
Dormitory rooms 24  
Dramatic Arts 66
- Economics 67  
Education 70  
English 71  
Enrollment 161  
    Summary of 186  
Expenses 27
- Faculty 40  
Faculty committees 44  
Fees 27  
Fellows 45  
Fellowships 135  
Fine Arts 75  
Folger Shakespeare Library 15  
    Officers 16  
Four College Cooperation 22  
French 78
- General information 8  
Geology 82  
German 85  
Greek 63  
Guarantee deposit 27
- Health 24
- Health fee 27  
History 89  
Hitchcock Memorial Room 47  
Honorary degrees 151  
Honors 129  
    Bond Fifteen 134  
    Degree with 34  
    Phi Beta Kappa 132  
    Sigma Xi 133
- Humanities 95
- Independent Reading Course 51  
Instruction, courses of 51  
Intercollegiate athletics fee 27  
Italian 96
- Kirby Memorial Theatre 48
- Language requirements 34  
Latin 64  
Lectureships 131  
Legal Studies 97  
Loan funds 31
- M. I. T. cooperative program 22  
Master of Arts 32  
Mathematics 98  
Medal for Eminent Service 157  
Medical care 24  
Mead Art Building 47  
Merrill Center for Economics 16  
Music 100
- Occupational guidance 26  
Officers of administration 39
- Payment of bills 27  
Phi Beta Kappa 132  
Philosophy 104  
Physical Education 108  
Physics 108  
Political Science 111  
Pratt Geology Museum 47  
Presidents of Amherst 8

- Prizes and awards 140  
Art 140  
Astronomy 144  
Biology 140  
Chemistry 140  
Citizenship 147  
Dramatics 141  
Economics 141  
English 141  
Geology 140  
Greek 142  
Journalism 143  
Latin 143  
Mathematics 144  
Medicine 140  
Miscellaneous 149  
Philosophy 145  
Physical Education 145  
Physics 144  
Political Science 145  
Public Speaking 146  
Religion 145  
Scholarship 147  
Psychology 116  
Public Speaking 120
- Records and reports 24
- Regents examinations 20  
Religion 121  
Requirements for degrees 32  
Residents of Amherst 31  
Rooms 24  
Russian 123  
Scholarships 29  
Scholarship funds 199  
Scholarship prizes 147  
Science 123  
Sigma Xi 132  
Snell Museum of Physics 47  
Society of the Alumni 191  
Spanish 125  
Student activities tax 27  
Student discipline 23  
Student loan funds 31  
Summary of enrollment 186  
Summary of expenses 27
- Terms and vacations 23  
Transfer students 21  
Trustees 6  
Tuition and fees 27  
Residents of Amherst 31
- Vacations 5, 23



